

1. () 안에 알맞은 말을 순서대로 바르게 짝지은 것은 어느 것입니까?

두 직선이 만나서 이루는 각이 ()일 때, 두 직선은 서로 ()이라고 합니다.

① 직각, 평행

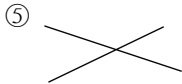
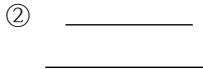
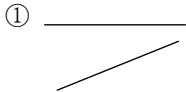
② 직각, 수직

③ 평행, 직각

④ 수직, 직각

⑤ 평행, 평행

2. 다음 중 두 직선이 수직인 것은 어느 것입니까?



3. 다음 중 두 직선이 서로 수직인 것은 어느 것입니까?

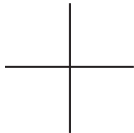
①



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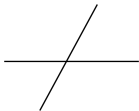


⑤

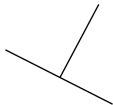


4. 두 직선이 서로 수직인 것은 어느 것입니까?

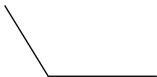
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②



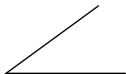
③



④

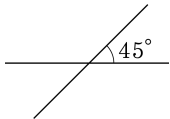


⑤

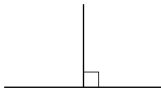


5. 두 직선이 서로 수직인 것은 어느 것입니까?

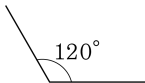
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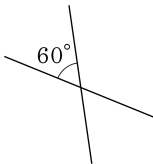
②



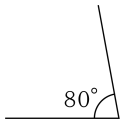
③



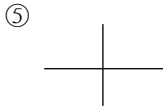
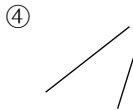
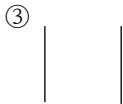
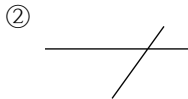
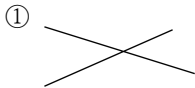
④



⑤

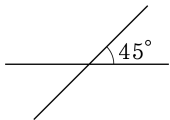


6. 다음 중 두 직선이 서로 수직인 것은 어느 것입니까?

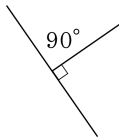


7. 두 직선이 서로 수직인 것은 어느 것입니까?

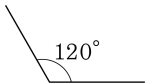
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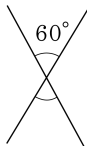
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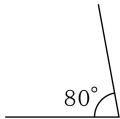
③



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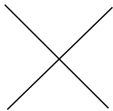


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8. 두 직선이 서로 수직이 아닌 것을 고르시오.

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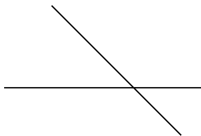
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③



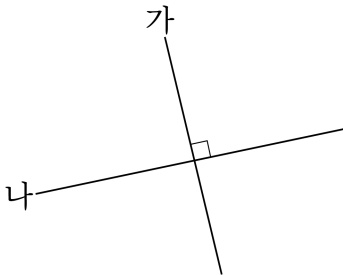
④



⑤



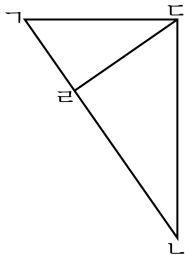
9. 다음 그림에서 두 직선 가, 나가 서로 수직으로 만날 때, 직선 가에 평행이면서 직선 나에 수직인 선분은 몇 개나 그을 수 있습니까?



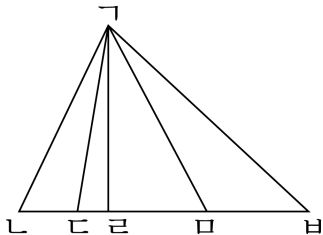
- ① 2개 ② 3개 ③ 5개
④ 수없이 많다. ⑤ 10개

10. 다음 도형에서 선분 $\overline{KL}$ 에 대한 수선은 어느 것입니까?

- ① 선분 $\overline{JK}$
- ② 선분 $\overline{LK}$
- ③ 선분 $\overline{CK}$
- ④ 선분 $\overline{JK}$ 과 선분 $\overline{CK}$
- ⑤ 선분 $\overline{LK}$ 과 선분 $\overline{CK}$



11. 다음 도형에서 변 $ㄴㅅ$ 에 대한 수선은 어느 것입니까?



① 선분 $ㄱㄴ$

② 선분 $ㄱㄷ$

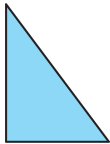
③ 선분 $ㄱㄹ$

④ 선분 $ㄱㅁ$

⑤ 선분 $ㄱㅅ$

12. 다음 중 수직인 변이 없는 도형은 어느 것입니까?

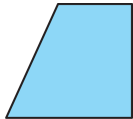
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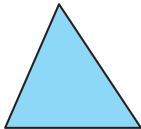
②



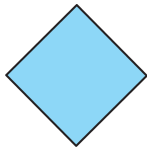
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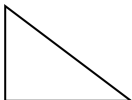


13. 다음 도형 중 수직인 변이 없는 것을 찾으시오.

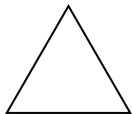
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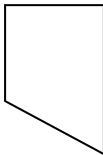
②



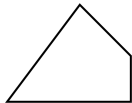
③



④

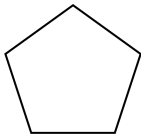


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14. 다음 중 수선을 찾을 수 있는 것은 어느 것입니까?

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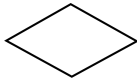
②



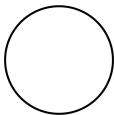
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④

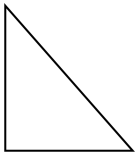


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15. 다음 중 수직인 변이 가장 많은 것은 어느 것입니까?

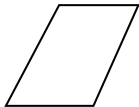
①



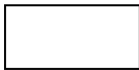
②



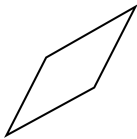
③



④

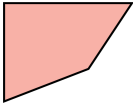


⑤

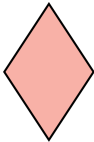


16. 수직으로 만나는 변이 없는 도형은 어느 것입니까?

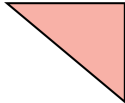
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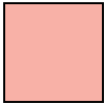
②



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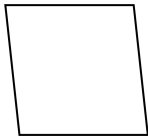


⑤

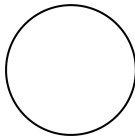


17. 다음 중 직각이 2개 있는 도형은 어느 것입니까?

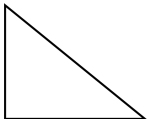
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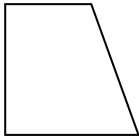
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18. 안에 알맞은 말로 짝지어진 것은 어느 것입니까?

두 직선이 서로 일 때, 한 직선은 다른 직선에 대한
 이라고 합니다.

① 수직, 평행

② 수직, 수선

③ 평행, 수선

④ 평행, 수직

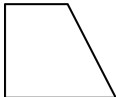
⑤ 수직, 수직

19. 다음 중 수선을 찾을 수 없는 도형을 모두 고르시오.

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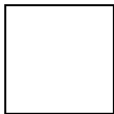


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20. 다음 중 수선을 찾을 수 없는 도형을 모두 고르시오.

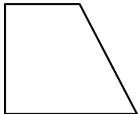
①



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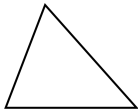
③



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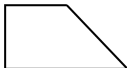


21. 다음 중 평행선과 수선을 모두 갖고 있는 도형은 어느 것입니까?

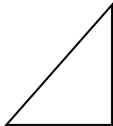
①



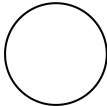
②



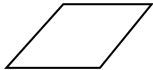
③



④

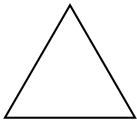


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22. 다음 중 수선을 찾을 수 있는 도형은 어느 것입니까?

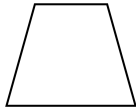
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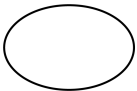
②



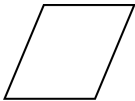
③



④

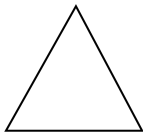


⑤

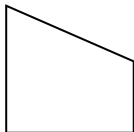


23. 다음 도형 중에서 수직인 두 변이 있는 도형을 모두 고르시오.

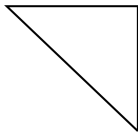
①



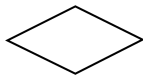
②



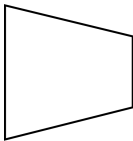
③



④

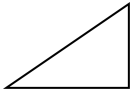


⑤

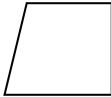


24. 수직인 두 변이 4쌍 있는 도형은 어느 것입니까?

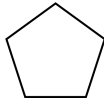
①



②



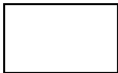
③



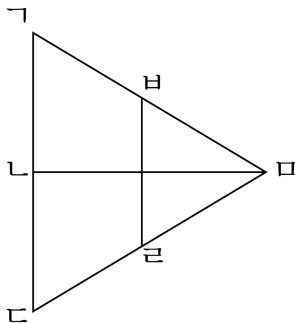
④



⑤



25. 다음 도형 중 수직 관계인 선분을 바르게 찾은 것을 모두 고르시오.



① 선분 가다와 선분 라나

② 선분 가다와 선분 바라

③ 선분 가다와 선분 다라

④ 선분 바라와 선분 라나

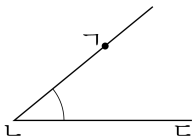
⑤ 선분 바라와 선분 라나

26. 점 P 을 지나고 직선 l 에 대한 수선을 바르게 그린 것을 고르시오.

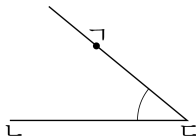
P

l ————— l

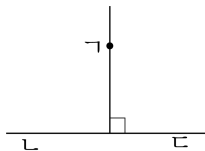
①



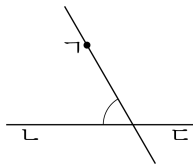
②



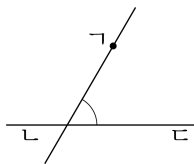
③



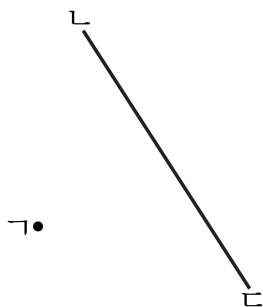
④



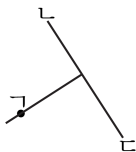
⑤



27. 점 P 을 지나고 직선 l 에 대한 수선을 바르게 그린 것을 고르시오.



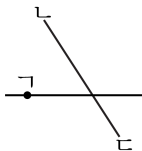
①



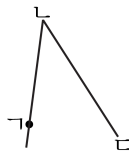
②



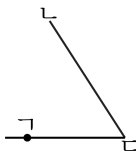
③



④

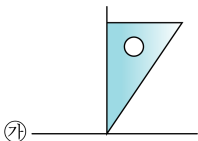


⑤

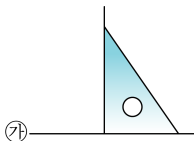


28. 삼각자를 이용하여 직선 가에 대한 수선을 바르게 그리지 않은 것은 어느 것인지 구하시오.(정답 2개)

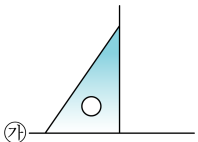
①



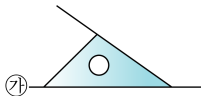
②



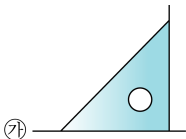
③



④

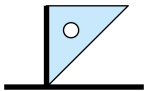


⑤

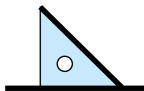


29. 다음 중 삼각자를 이용하여 수선을 바르게 그린 것은 어느 것인지 구하시오.

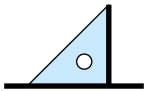
①



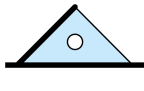
②



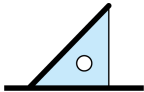
③



④



⑤



30. 한 직선에 그을 수 있는 수선은 모두 몇 개인지 구하시오.

① 1 개

② 2 개

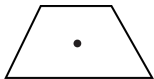
③ 8 개

④ 10 개

⑤ 무수히 많다.

31. 다음 중 도형 안에 있는 점에서 각 변에 그을 수 있는 수선의 수가 다른 것은 어느 것인지 구하시오.

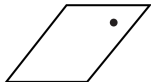
①



②



③



④

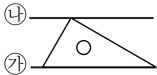


⑤

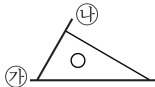


32. 삼각자를 이용하여 직선 ㉠과 수직인 직선 ㉡를 그릴 때, 바른 것은 어느 것인지 구하시오.

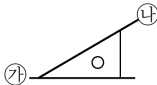
①



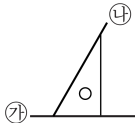
②



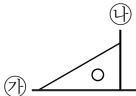
③



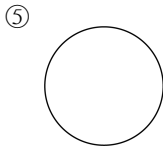
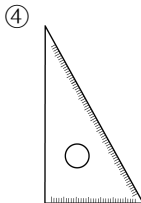
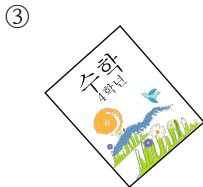
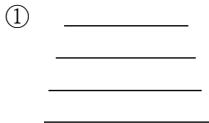
④



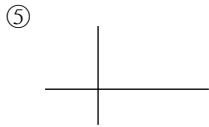
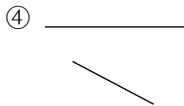
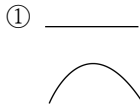
⑤



33. 다음 그림에서 굵은 선이 평행선이 없는 것을 모두 고르시오.



34. 다음 중 두 직선이 평행한 것은 어느 것입니까?

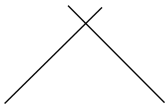


35. 다음 중 두 직선이 서로 평행인 것은 어느 것입니까?

①



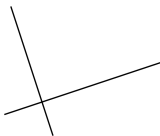
②



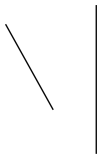
③



④

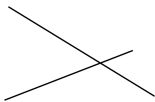


⑤

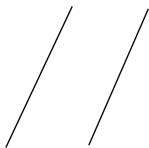


36. 다음 중 두 직선이 평행인 것을 모두 고르시오.

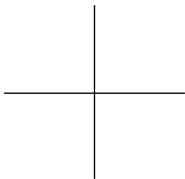
①



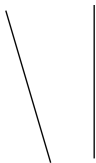
②



③



④

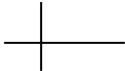


⑤

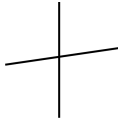


37. 두 직선이 서로 평행인 것은 어느 것입니까?

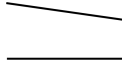
①



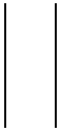
②



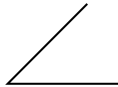
③



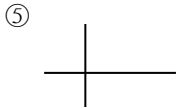
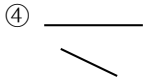
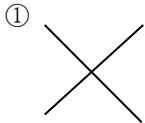
④



⑤

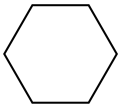


38. 다음 중 두 직선이 서로 평행인 것은 어느 것입니까?

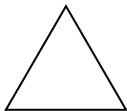


39. 다음 중 평행선과 수선을 모두 갖고 있는 도형은 어느 것입니까?

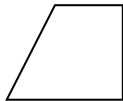
①



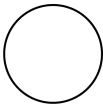
②



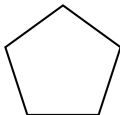
③



④



⑤



40. 한 직선에 평행한 직선은 몇 개입니까?

① 1 개

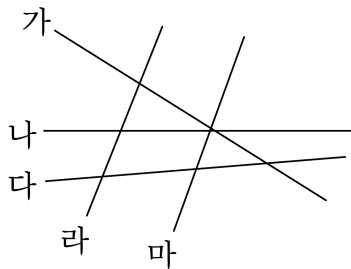
② 2 개

③ 4 개

④ 10 개

⑤ 무수히 많다.

41. 그림에서 서로 평행인 두 직선은 어느 것인지 고르시오.



① 직선 가와 나

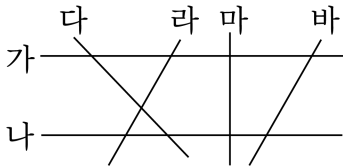
② 직선 가와 다

③ 직선 나와 라

④ 직선 나와 마

⑤ 직선 라와 마

42. 다음 그림에서 평행선을 모두 고르시오.



① 직선가와 나

② 직선가와 다

③ 직선다와 바

④ 직선다와 마

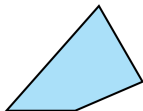
⑤ 직선라와 바

43. 서로 평행인 변이 있는 사각형은 어느 것입니까?

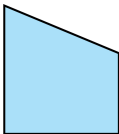
①



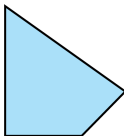
②



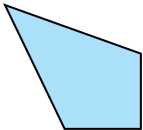
③



④

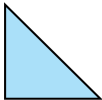


⑤

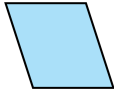


44. 다음 중 평행선과 수선을 모두 가지고 있는 도형은 어느 것입니까?

①



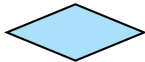
②



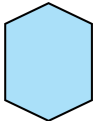
③



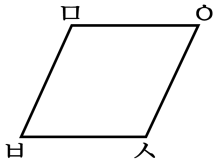
④



⑤



45. 다음 그림에서 서로 평행인 선분을 바르게 짝지은 것을 모두 고르시오.



① 선분 ㅁㅇ과 선분 ㅂㅅ

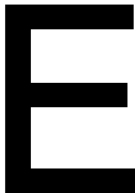
② 선분 ㅁㅇ과 선분 ㅇㅅ

③ 선분 ㅁㅂ과 선분 ㅇㅅ

④ 선분 ㅇㅅ과 선분 ㅅㅂ

⑤ 선분 ㅁㅂ과 선분 ㅅㅂ

46. 다음 글자에서 평행선은 모두 몇 쌍입니까?



① 3 쌍

② 4 쌍

③ 5 쌍

④ 6 쌍

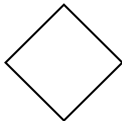
⑤ 없습니다.

47. 도형 중에서 평행선이 가장 많은 도형은 어느 것입니까?

①



②



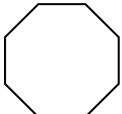
③



④



⑤

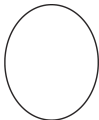


48. 다음 중 평행인 변이 없는 도형을 모두 고르시오.

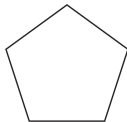
①



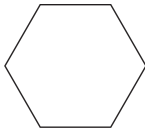
②



③



④

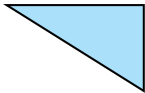


⑤

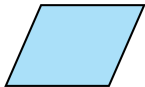


49. 다음 도형 중에서 평행선과 수선이 모두 있는 도형은 어느 것입니까?

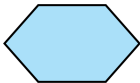
①



②



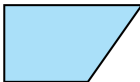
③



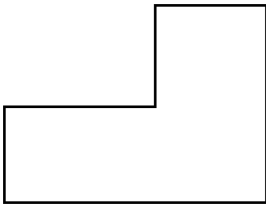
④



⑤



50. 다음 도형에는 평행인 변이 몇 쌍입니까?



① 2 쌍

② 4 쌍

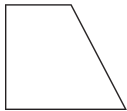
③ 5 쌍

④ 6 쌍

⑤ 10 쌍

51. 다음 중 평행선과 수선이 모두 있는 도형이 아닌 것을 모두 고르시오.

①



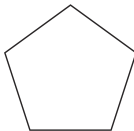
②



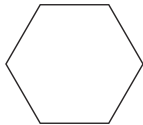
③



④



⑤



52. 한 직선에 평행인 직선은 몇 개나 그을 수 있는지 구하시오.

① 1 개

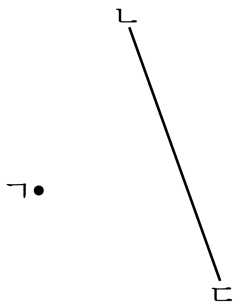
② 6 개

③ 9 개

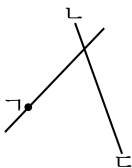
④ 10 개

⑤ 무수히 많다.

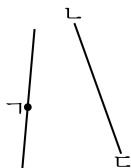
53. 점 P 를 지나고 직선 l 과 평행인 직선을 바르게 그린 것을 고르시오.



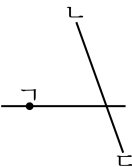
①



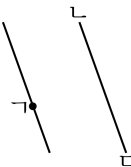
②



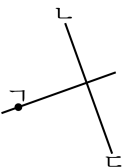
③



④



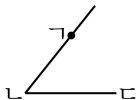
⑤



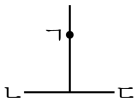
54. 점 P 을 지나고 직선 l 과 평행인 직선을 바르게 그린 것을 고르시오.



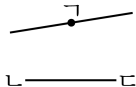
①



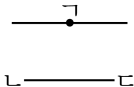
②



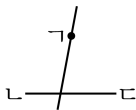
③



④

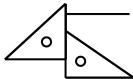


⑤

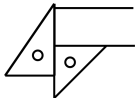


55. 삼각자 2개를 이용하여 평행선을 바르게 그은 것은 어느 것인지 구하시오.

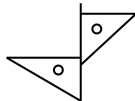
①



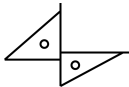
②



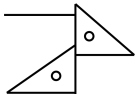
③



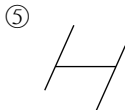
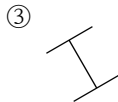
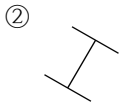
④



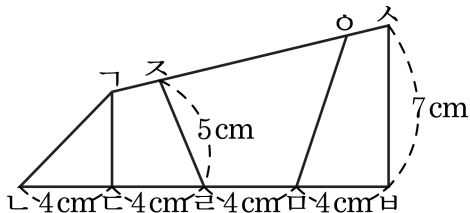
⑤



56. 다음 중 평행선 사이의 거리를 바르게 나타내지 못한 것은 어느 것인지 구하십시오.



57. 다음 그림에서 평행선을 찾아 평행선 사이의 거리를 구하시오.



① 4 cm

② 5 cm

③ 7 cm

④ 8 cm

⑤ 12 cm

58. 다음 도형에서 평행선 사이의 거리를 알려면 어느 선분의 길이를 재어야 하는지 구하시오.



① 선분 ㄱㄴ

② 선분 ㄴㄷ

③ 선분 ㄷㄱ

④ 선분 ㄱㄱ

⑤ 선분 ㄱㄹ

59. 다음 중 평행선 사이의 거리를 나타내는 것은 어느 것인지 구하시오.

①



②



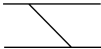
③



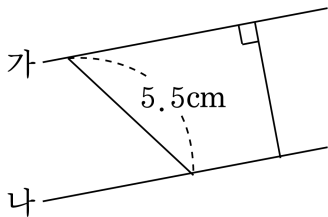
④



⑤

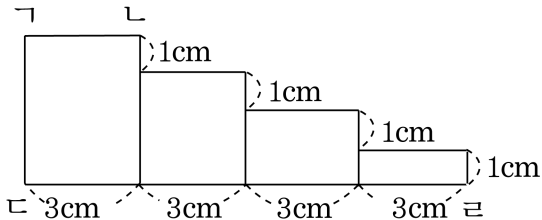


60. 직선 가와 나 는 서로 평행입니다. 평행선 사이의 거리에 대해 바르게 말한 것은 어느 것인지 구하시오.



- ① 평행선 사이의 거리는 5.5 cm 입니다.
- ② 평행선 사이의 거리는 5.5 cm 보다 짧습니다.
- ③ 평행선 사이의 거리는 5.5 cm 보다 길니다.
- ④ 평행선 사이의 거리는 전혀 짐작할 수 없습니다.
- ⑤ 평행선 사이의 거리는 5 cm 입니다.

61. 다음 도형에서 선분 $\overline{AB}$ 과 선분 $\overline{CD}$ 이 서로 평행입니다. 이 평행선 사이의 거리는 몇 cm입니까?



- ① 1 cm ② 2 cm ③ 3 cm ④ 4 cm ⑤ 5 cm

62. 다음 설명 중 잘못된 것을 고르시오.

- ① 한 직선에 수직인 두 직선은 서로 평행입니다.
- ② 평행선이 한 직선과 만날 때, 생기는 같은 쪽의 각의 크기는 같습니다.
- ③ 평행선 사이의 거리는 재는 위치에 따라 다릅니다.
- ④ 평행인 두 직선은 아무리 늘려도 서로 만나지 않습니다.
- ⑤ 평행선 사이의 선분 중에서 수직인 선분의 길이가 가장 짧습니다.

63. 다음 평행선에 대한 설명 중 바르지 않은 것은 어느 것입니까?

- ① 한 직선에 수직인 두 직선을 그으면, 그 두 직선은 서로 만나지 않습니다.
- ② 평행인 두 직선은 서로 만나지 않습니다.
- ③ 아무리 늘여도 만나지 않는 두 직선은 평행합니다.
- ④ 평행인 두 직선을 평행선이라고 합니다.
- ⑤ 한 직선에 90° 로 만나는 직선입니다.

64. 다음 설명 중 옳은 것을 모두 고르시오.

- ① 한 직선에 대한 수선은 오직 하나 뿐입니다.
- ② 두 평행선 사이의 거리는 두 평행선 사이의 수직인 선분의 길이와 같습니다.
- ③ 수직으로 만나는 두 직선이 이루는 각은 90° 입니다.
- ④ 두 평행선을 끝없이 연장하면 두 직선은 서로 만납니다.
- ⑤ 두 평행선 사이에 수직인 선분은 오직 하나뿐입니다.

65. 주어진 직선과 평행선 사이의 거리가 3cm가 되게 평행선을 긋는 순서를 차례로 쓴 것을 고르시오.

㉠ 주어진 직선에 수선 긋기

㉡ 평행선 긋기

㉢ 그은 수선 위에 3cm 만큼 떨어진 곳에 점찍기

① ㉠-㉡-㉢

② ㉠-㉢-㉡

③ ㉡-㉠-㉢

④ ㉡-㉢-㉠

⑤ ㉢-㉡-㉠