

1. x 가 자연수일 때, 일차부등식 $1.5 - 0.3x \geq 0.12x + 0.24$ 의 해를 모두 구하여라.

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2. 일차부등식 $0.25x - 0.1 > 0.09x - 0.02$ 를 풀어라.



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3. 다음 일차부등식 $\frac{x-2}{3} < 1 - \frac{x}{2}$ 을 풀어라.



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4. 일차부등식 $x - 1 < 3x - 3$ 의 해는?

① $x < 2$

② $x > 2$

③ $x < 1$

④ $x > 1$

⑤ $x < -2$

5. 다음 중 일차부등식인 것을 모두 고르면?

① $x - 1 = 7$

② $2x(3 - x) + 1 < 2$

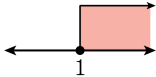
③ $0.5x - 2 \geq 6 - 0.3x$

④ $\frac{x}{5} + 1 < 5 + \frac{x}{5}$

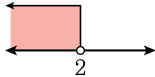
⑤ $2x - \frac{2}{3} \geq -2x + \frac{2}{3}$

6. 부등식 $-4x + 3 > -3x + 1$ 의 해의 집합을 수직선 상에 옳게 나타낸 것은?

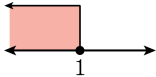
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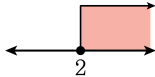
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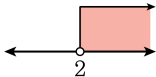
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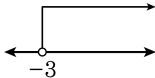


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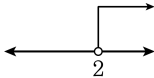


7. 일차부등식 $-2x + 1 > 7$ 의 해를 수직선 위에 바르게 나타낸 것은?

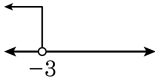
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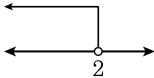
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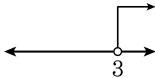
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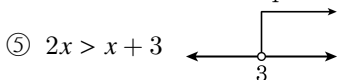
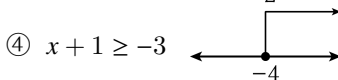
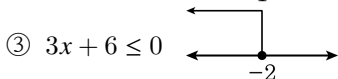
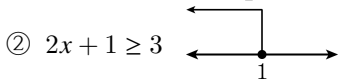
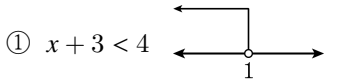
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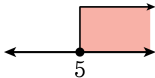


8. 다음은 부등식의 해를 수직선 위에 나타낸 것이다. 옳지 않은 것은?

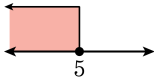


9. $3x + 1 \leq -5 + 4x$ 의 해를 수직선 위에 나타내면?

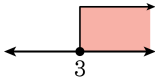
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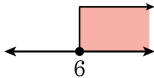
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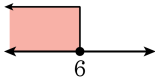
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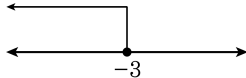
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10. 다음 그림이 나타내는 해와 같은 해를 갖는 부등식을 모두 고르면?



① $x + 1 > -2$

② $3x - 2 < 1$

③ $2 - x \geq 5$

④ $2x + 1 \leq -5$

⑤ $-2x + 1 < 7$

11. 다음 보기에서 일차부등식을 모두 구하여라.

보기

㉠ $3x > -3$

㉡ $5x^2 < 2$

㉢ $-x + 1 \leq 2x - 4$

㉣ $x > 0$

㉤ $3x + 2 < 5$

㉥ $3x + 1 \geq 3x - 5$

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12. 일차부등식 $2(x + 1) + 1 \leq 13 - x$ 를 만족시키는 자연수의 개수를 구하여라.



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13. 부등식 $2(x+1)-3x < 4(x-2)$ 을 풀면?

① $x \geq -2$

② $x \leq -2$

③ $x \leq 2$

④ $x > 2$

⑤ $x \geq 2$

14. 부등식 $x + 3(x + 2) \leq -2$ 을 풀면?

① $x \leq -1$

② $x \leq -2$

③ $x \leq -3$

④ $x \leq -4$

⑤ $x \leq -5$

15. 다음 부등식을 풀면?

$$3(x - 1) \geq -2(x - 6)$$

① $x \geq \frac{9}{5}$

② $x \geq -\frac{7}{5}$

③ $x \leq -3$

④ $x \leq 3$

⑤ $x \geq 3$

16. 부등식 $x - 3(x - 2) > 2(x - 3)$ 을 만족하는 자연수의 개수는?

① 1 개

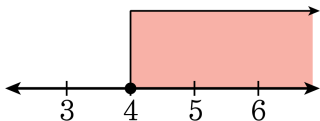
② 2 개

③ 3 개

④ 4 개

⑤ 5 개

17. 다음 중 수직선의 빗금 친 부분을 해로 가지는 일차부등식을 모두 골라라.



☐ $4x - 1 \geq 1$

☐ $2x - 8 \geq 0$

☐ $2x - 8 < 0$

☐ $x - 2 < 2$

☐ $x - 2 \geq 2$



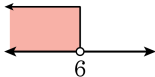
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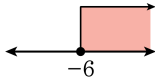
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18. 일차부등식 $-\frac{1}{2}x \leq 3$ 의 해를 수직선 위에 바르게 나타낸 것은?

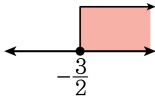
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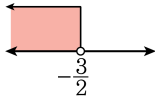
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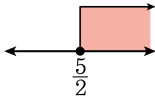
③



④



⑤



19. 일차부등식 $-4 \leq 2x + 2 < 6$ 을 풀면?

① $x \geq -3$

② $x < 2$

③ $-3 \leq x < 2$

④ $-2 \leq x < 3$

⑤ $2 \leq x < 3$

20. x 가 $-1, 0, 1, 2, 3$ 일 때, 부등식 $3x - 2 > 1$ 의 해를 구하여라.



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21. $3x + 4 \leq 10 - 2x$ 를 만족하는 자연수의 개수는?

① 0 개

② 1 개

③ 2 개

④ 3 개

⑤ 4 개

22. 다음 중 일차부등식이 아닌 것을 모두 구하여라.

㉠ $2x > 6$

㉡ $x^2 + 2 < x^2 + 2x + 2$

㉢ $x + 1 = 2x + 3$

㉣ $x > 9$

㉤ $3x + 2 < 3x + 3$

㉥ $\frac{1}{x} - x > x + 3$

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23. 일차부등식 $1.2x \leq 0.7x + 0.5$ 를 풀면?

① $x \leq 1$

② $x > 1$

③ $1 < x$

④ $1 \leq x$

⑤ 해는 없다.

24. 일차부등식 $x + 1 - 2(x - 1) < 4$ 를 만족하는 가장 작은 정수를 구하면?

① -1

② 0

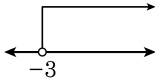
③ 1

④ 2

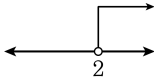
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25. 일차부등식 $-2x - 4 < 2$ 의 해를 수직선 위에 바르게 나타낸 것은?

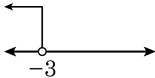
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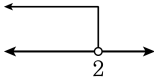
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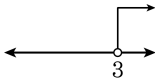
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26. 다음 일차부등식 중에서 해가 다른 하나는?

① $1 + x < 3$

② $-3x > -6$

③ $2x - 6 < -2$

④ $x < 2x - 2$

⑤ $4x - 3(x - 2) < 8$

27. 다음 중 일차부등식인 것은?

① $x^2 - x > 2$

② $2x - 1 < 3 + 2x$

③ $-2 < 9$

④ $2x + 3 \geq x - 1$

⑤ $2x + 1 = 0$

28. 다음 일차부등식 중 해가 $2x - 5 < x + 3$ 과 같은 것은?

① $2x - 3 < 5x + 6$

② $2(3x - 4) < 40$

③ $-2x - 1 < -5x + 8$

④ $1 - x < 2x + 7$

⑤ $9 - x < 2x + 3$

29. 일차부등식 $2x - 1 \geq 3x$ 를 풀면?

① $x \leq -1$

② $x \leq 1$

③ $x \geq -1$

④ $x \geq 1$

⑤ $x \geq 2$

30. 다음 $x = 1$ 일 때, 다음 부등식 중 거짓 이 되는 것은?

① $2x + 1 < 5$

② $2x + 1 > 4x - 3$

③ $x - 2 < 0$

④ $x + 1 \geq 2$

⑤ $-x + 4 > 3$

31. 다음 부등식의 해를 바르게 나타낸 것은?

보기

$$5x + 6 > 2x - 6$$

① $x > -4$

② $x < -4$

③ $x > -3$

④ $x < -3$

⑤ $x > 4$

32. 일차부등식 $\frac{1}{2}x - 1 \geq \frac{3}{4}x + 2$ 를 풀면?

① $x \leq -12$

② $x \geq -12$

③ $x \leq 12$

④ $x \geq 12$

⑤ $0 \leq x$