

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  $x - 1 = 7$

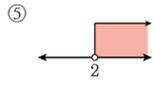
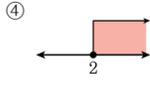
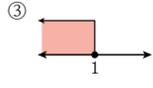
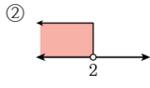
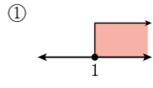
②  $2x(3 - x) + 1 < 2$

③  $0.5x - 2 \geq 6 - 0.3x$

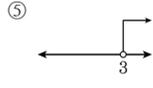
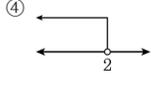
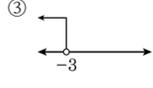
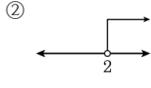
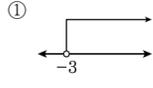
④  $\frac{x}{5} + 1 < 5 + \frac{x}{5}$

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

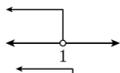
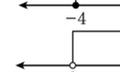
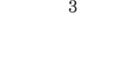
6. 부등식  $-4x + 3 > -3x + 1$  의 해의 집합을 수직선 상에 옳게 나타낸 것은?



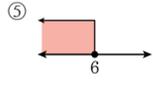
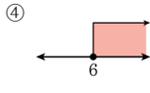
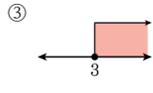
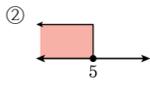
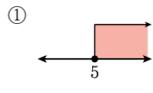
7. 일차부등식  $-2x + 1 > 7$  의 해를 수직선 위에 바르게 나타낸 것은?



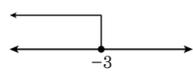
8. 다음은 부등식의 해를 수직선 위에 나타낸 것이다. 옳지 않은 것은?

- ①  $x + 3 < 4$  
- ②  $2x + 1 \geq 3$  
- ③  $3x + 6 \leq 0$  
- ④  $x + 1 \geq -3$  
- ⑤  $2x > x + 3$  

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



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  $x \leq -3$

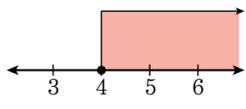
④  $x \leq 3$

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.

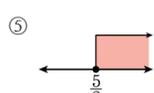
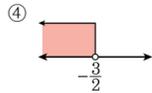
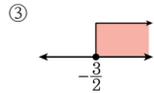
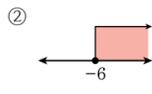
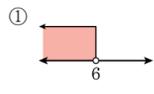


- ㉠  $4x - 1 \geq 1$
- ㉡  $2x - 8 \geq 0$
- ㉢  $2x - 8 < 0$
- ㉣  $x - 2 < 2$
- ㉤  $x - 2 \geq 2$

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



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  $1 < x$

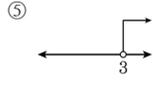
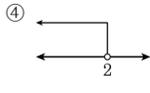
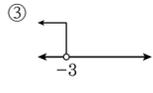
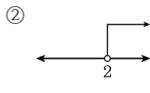
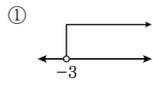
④  $1 \leq x$

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      ⑤ 3

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



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 거짓이 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  $0 \leq x$