1. $a < b$ 일 때, 다음 중 부등호가 <u>틀린</u> 것은?

① $a + 4 < b + 4$

② $-5 + a < -5 + b$

③ $3a - 1 < 3b - 1$

④ $\frac{1}{5}a < \frac{1}{5}b$

⑤ $-3a < -3b$

2. $-1 < 3x + 2 < 5$ 일 때, x 의 값의 범위는?

① $0 < x < 1$ ② $-1 < x < 2$ ③ $\frac{1}{3} < x < 1$

④ $-1 < x < 1$ ⑤ $1 < x < 2$

3. 다음 중에서 일차부등식은?

① $7 > -3$ ② $3x + x - 2$ ③ $4x > 6$

④ $4x - 1 = 7$ ⑤ $x + 5 = x^2$

4. 다음 중에서 일차부등식은?

① $2x-3=3x$

② $x+2<x-3$

③ $x+1<x^2$

④ $2(3-x)<x+3$

⑤ $3x+2<-3+3x$

5. 일차부등식 $2x - 1 \geq 3x$ 를 풀면?

① $x \leq -1$ ② $x \leq 1$ ③ $x \geq -1$

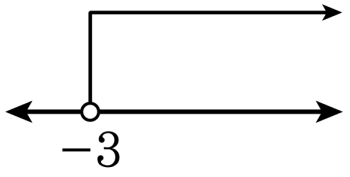
④ $x \geq 1$ ⑤ $x \geq 2$

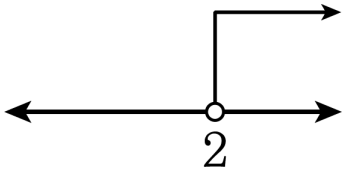
6. x의 범위가 $-2,\ -1,\ 0,\ 1,\ 2$일 때, 일차부등식 $4-x>3$을 참이 되게 하는 x의 값은?

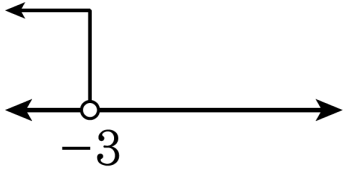
① -2 ② $-2,\ -1$ ③ $-2,\ -1,\ 0$

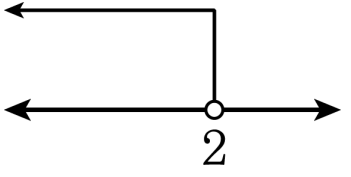
④ 2 ⑤ $1,\ 2$

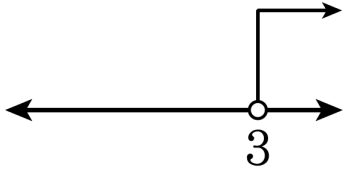
7. 일차부등식 $-2x+1>7$ 의 해를 수직선 위에 바르게 나타낸 것은?

① 

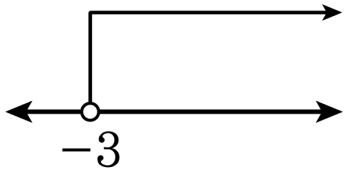
② 

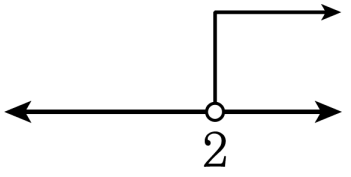
③ 

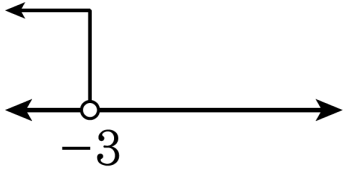
④ 

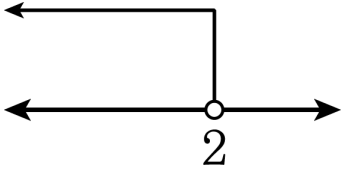
⑤ 

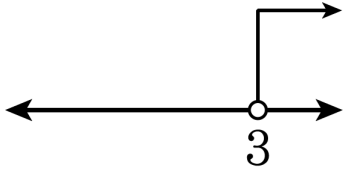
8. 일차부등식 $-2x-4<2$ 의 해를 수직선 위에 바르게 나타낸 것은?

① 

② 

③ 

④ 

⑤ 

9. $a \le b$ 일 때, 다음 중 옳은 것을 보기에서 모두 골라라.

보기

㉠ $-5a \le -5b$

㉡ $a \div \left(-\frac{1}{4}\right) \ge b \div \left(-\frac{1}{4}\right)$

㉢ $3 - a \le 3 - b$

㉣ $a - (-2) \ge b - (-2)$

㉤ $-2a + 6 \ge -2b + 6$

답: _____

답: _____

10. 부등식의 성질 중 옳지 <u>않은</u> 것의 기호를 골라라.

㉠ $a<b$이면 $a+c<b+c,\ a-c<b-c$
㉡ $a<b,\ c>0$이면 $ac<bc,\ \frac{a}{c}<\frac{b}{c}$
㉢ $a<b,\ c<0$이면 $ac<bc,\ \frac{a}{c}<\frac{b}{c}$

답: _____

11. $-3-5a<-3-5b$ 일 때, 다음 중 옳지 <u>않은</u> 것을 모두 골라라.

㉠ $\frac{1}{2}a-8>\frac{1}{2}b-8$	㉡ $3-\frac{1}{3}a>3-\frac{1}{3}b$
㉢ $2a-2b+7>7$	㉣ $\frac{5a-4}{3}<\frac{5b-4}{3}$

답: _____

답: _____

12. $-6 \le x < 2$ 일 때, $A < 1 - \frac{x}{2} \le B$ 라고 한다. 이때, $B - A$ 의 값은?

① 0 ② 1 ③ 2 ④ 3 ⑤ 4

13. $-1 < x \leq 3$, $A = 5 - 2x$ 일 때, 정수 A 의 개수는?

① 4개 ② 5개 ③ 6개 ④ 7개 ⑤ 8개

14. 다음 중 일차부등식이 아닌 것을 모두 구하여라.

㉠ $2x > 6$	㉡ $x^2 + 2 < x^2 + 2x + 2$
㉢ $x + 1 = 2x + 3$	㉣ $x > 9$
㉤ $3x + 2 < 3x + 3$	㉥ $\frac{1}{x} - x > x + 3$

답: _____

답: _____

답: _____

15. 다음 중 부등식의 해가 나머지 넷과 다른 하나는?

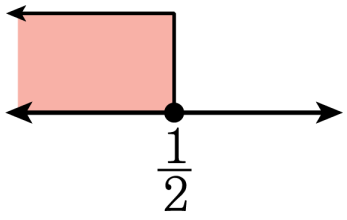
① $3x-1<14$ ② $-x+2>-3$ ③ $\frac{1}{5}x-3<-2$

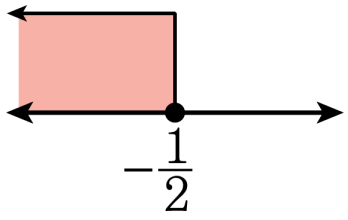
④ $-x+7<2$ ⑤ $4x<15+x$

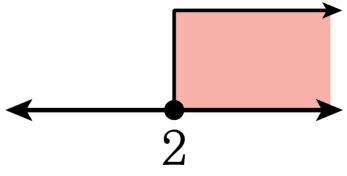
16. 일차부등식 $3x - \dfrac{3x-3}{2} \leq 3$ 을 만족시키는 가장 큰 정수를 구하여라.

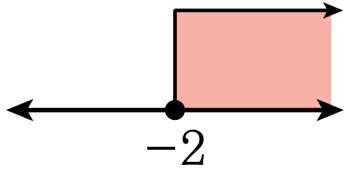
답 : _____

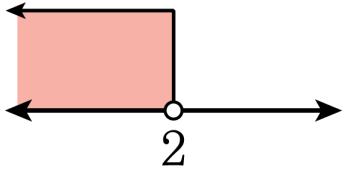
17. 부등식 $-x+1 \le 2x-5$ 의 해를 수직선 위에 옳게 나타낸 것은?

① 

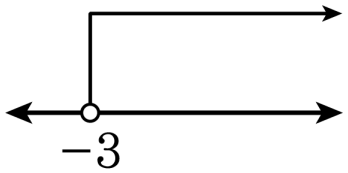
② 

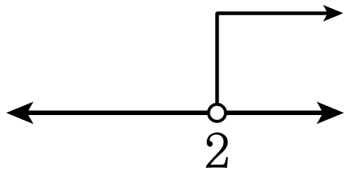
③ 

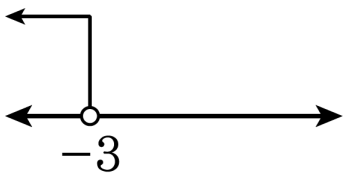
④ 

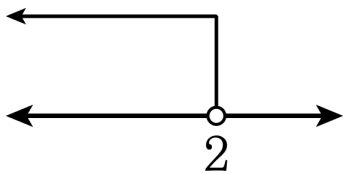
⑤ 

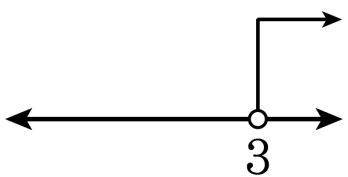
18. 일차부등식 $2(x+1) < 6$ 의 해를 수직선 위에 바르게 나타낸 것은?

① 

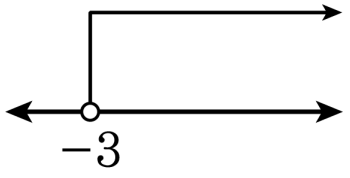
② 

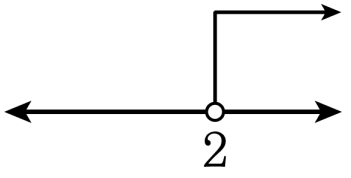
③ 

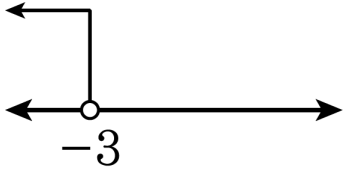
④ 

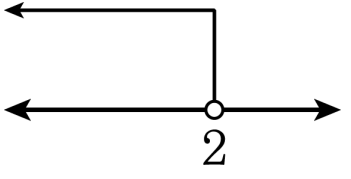
⑤ 

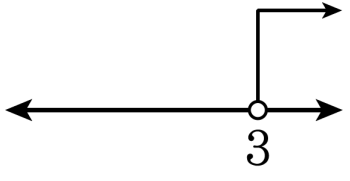
19. 일차부등식 $3x - 5 > 4$ 의 해를 수직선 위에 바르게 나타낸 것은?

① 

② 

③ 

④ 

⑤ 

20. $-1 \le -3a + 5 < 2$ 일 때, a 의 값의 범위를 구하여라.

답: _____

21. $x < 4$ 일 때, $-2x + 1$ 의 값의 범위는?

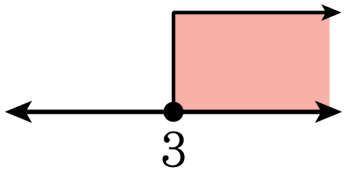
① $-2x + 1 < -7$ ② $-2x + 1 > -7$ ③ $-2x + 1 < 7$

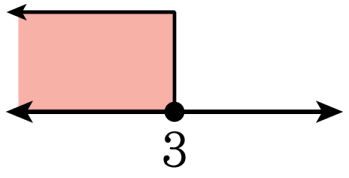
④ $-2x + 1 > 7$ ⑤ $-2x + 1 \leq 7$

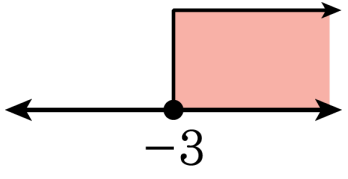
22. $x < -3$ 일 때, $-4x + 6$ 의 식의 값의 범위를 구하여라.

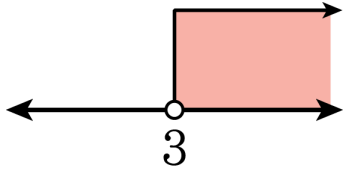
답: _____

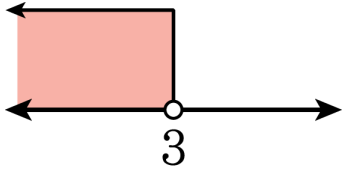
23. $4x-1 \geq -7+6x$ 의 해를 수직선 위에 바르게 나타낸 것은?

① 

② 

③ 

④ 

⑤ 

24. 다음 수직선은 어느 부등식의 해를 나타낸 것이다. 다음 중 이 부등식이 될 수 <u>없는</u> 것은?

① $2(x+1) \geq 8$ ② $x-3 \geq 0$ ③ $2-3x \geq -7$

④ $x \geq 3$ ⑤ $-\frac{1}{2}x+4 \leq 2.5$

25. $a > b$, $ac > bc$, $ac = 0$ 일 때, a, b, c 의 값 또는 부호를 구하면?

① $a > 0,\ b < 0,\ c = 0$

② $a < 0,\ b > 0,\ c = 0$

③ $a = 0,\ b > 0,\ c < 0$

④ $a = 0,\ b < 0,\ c > 0$

⑤ $a = 0,\ b < 0,\ c < 0$