

1. 다음 중 부등식인 것을 모두 고르면?

- $\textcircled{\text{㉠}}$ $0-2$

$\textcircled{\text{㉡}}$ $x-1<5$

$\textcircled{\text{㉢}}$ $(3a-5)\times 2=5$
- $\textcircled{\text{㉣}}$ $x-3$

$\textcircled{\text{㉤}}$ $5x-4>1$

- $\textcircled{\text{①}}$ $\textcircled{\text{㉠}}, \textcircled{\text{㉣}}$

$\textcircled{\text{②}}$ $\textcircled{\text{㉠}}, \textcircled{\text{㉤}}$

$\textcircled{\text{③}}$ $\textcircled{\text{㉣}}, \textcircled{\text{㉤}}$

$\textcircled{\text{④}}$ $\textcircled{\text{㉡}}, \textcircled{\text{㉤}}$

$\textcircled{\text{⑤}}$ $\textcircled{\text{㉡}}, \textcircled{\text{㉢}}$

2. 일차부등식 $2(0.2x + 1) \geq x - 1.6$ 을 만족하는 자연수의 개수는?

- ① 2개 ② 3개 ③ 4개 ④ 5개 ⑤ 6개

3. $a < b$, $c < 0$ 일 때, 다음 중 ○ 안에 들어갈 부등호의 방향이 다른 것은?

① $a + c$ ○ $b + c$

② $a - c$ ○ $b - c$

③ ac ○ bc

④ $a + \frac{2}{c}$ ○ $b + \frac{2}{c}$

⑤ $a - 2c$ ○ $b - 2c$

4. x 에 관한 부등식 $2 - \frac{2ax+5}{3} < -\frac{x}{2} + 3$ 의 해가 $3\left(\frac{2x}{3} + 1\right) > 5x - 2$ 의 해와 같을 때, a 의 값을 구하면?

- ① $-\frac{21}{4}$ ② $-\frac{22}{4}$ ③ $-\frac{23}{4}$ ④ $-\frac{31}{20}$ ⑤ $-\frac{33}{20}$