

1. 다음 중 두 실수의 대소 관계가 옳지 않은 것은?

$$\textcircled{\Gamma} \quad \sqrt{21} + 3 < \sqrt{19} - 4$$

$$\textcircled{\text{L}} \quad \sqrt{19} - \sqrt{5} > \sqrt{15} - \sqrt{7}$$

$$\textcircled{\text{C}} \quad \sqrt{15} + 3 > \sqrt{15} + 2$$

$$\textcircled{1} \quad \textcircled{\Gamma}$$

$$\textcircled{2} \quad \textcircled{\text{L}}$$

$$\textcircled{3} \quad \textcircled{\Gamma}, \textcircled{\text{L}}$$

$$\textcircled{4} \quad \textcircled{\text{L}}, \textcircled{\text{C}}$$

$$\textcircled{5} \quad \textcircled{\Gamma}, \textcircled{\text{L}}, \textcircled{\text{C}}$$

2. 다음 방정식 중 $x = -2$ 를 근으로 갖는 것은?

① $(x + 2)^2 = 0$

② $x^2 - 2x = 0$

③ $(x - 2)(x - 5) = 0$

④ $(x - 2)^2 = 0$

⑤ $(x - 1)^2 = 4$

3. $(x - 2y)(x - 2y - 3) - 10$ 을 인수분해하면
 $(x - 2y + m)(x - 2y + n)$ 일 때, mn 의 값은?

① -10

② 3

③ 10

④ 2

⑤ -2

4. $(x + y)(x + y - 1) - 20$ 을 바르게 인수분해한 것은?

① $(x + y - 5)(x + y + 4)$

② $(x + y - 4)(x + y + 5)$

③ $(x + y - 5)(x + y - 4)$

④ $(x - y - 4)(x - y + 5)$

⑤ $(x - y - 5)(x - y + 4)$