

1. 다음 중 옳지 않은 것은?

$$\textcircled{1} \quad \left(\frac{2yz}{x}\right)^2 = \frac{4y^2z^2}{x^2}$$

$$\textcircled{3} \quad \left(-\frac{x}{2y^2}\right)^2 = -\frac{x^2}{4y^4}$$

$$\textcircled{5} \quad \left(\frac{xy}{2}\right)^3 = \frac{x^3y^3}{8}$$

$$\textcircled{2} \quad \left(-\frac{x^2}{3}\right)^3 = -\frac{x^6}{27}$$

$$\textcircled{4} \quad \left(\frac{2}{x}\right)^4 = \frac{16}{x^4}$$

2. $(3x^a y^2)^b \div (x^2 y^c)^4 = \frac{27}{x^2 y^6}$ 일 때, $a^2 + b - c$ 의 값은?

① 1

② 2

③ 3

④ 4

⑤ 5

3. $216 = 3^m(3^n - 1)$ 일 때, $m + n$ 의 값은?

① 2

② 3

③ 4

④ 5

⑤ 6