

1. $x \div \frac{1}{3} \div b$ 를 나눗셈기호를 생략하여 나타내면?

① $\frac{bx}{3}$

② $\frac{3x}{b}$

③ $\frac{x}{3b}$

④ $\frac{3b}{x}$

⑤ $\frac{b}{3x}$

해설

$$x \div \frac{1}{3} \div b = x \times 3 \times \frac{1}{b} = \frac{3x}{b}$$

2. $x = -1$ 일 때, $|x^3 + 4|$ 의 값과 같은 것은?

① $-3x$

② $x^2 - x^3$

③ $2x^2 + x$

④ x^3

⑤ $2x^3 + x$

해설

$$|x^3 + 4| = |(-1)^3 + 4| = |-1 + 4| = 3$$

$$\textcircled{1} \quad -3x = -3 \times (-1) = 3$$

$$\textcircled{2} \quad x^2 - x^3 = (-1)^2 - (-1)^3 = 1 + 1 = 2$$

$$\textcircled{3} \quad 2x^2 + x = 2 \times (-1)^2 + (-1) = 2 - 1 = 1$$

$$\textcircled{4} \quad x^3 = (-1)^3 = -1$$

$$\textcircled{5} \quad 2x^3 + x = 2 \times (-1)^3 - 1 = -3$$