

確認問題

多項式と数の乗法, 除法

23 次の式のかっこをはずしなさい。

ふりかえろう!

22ページ

$$\begin{aligned}(1) \quad & 6(x+3) \\ &= 6 \times x + 6 \times 3 \\ &= \mathbf{6x + 18}\end{aligned}$$

$$\begin{aligned}(2) \quad & 4(3x-2) \\ &= 4 \times 3x - 4 \times 2 \\ &= \mathbf{12x - 8}\end{aligned}$$

$$\begin{aligned}(3) \quad & -5(x+4) \\ &= (-5) \times x + (-5) \times 4 \\ &= \mathbf{-5x - 20}\end{aligned}$$

$$\begin{aligned}(4) \quad & -3(8x-5) \\ &= (-3) \times 8x - (-3) \times 5 \\ &= \mathbf{-24x + 15}\end{aligned}$$

$$\begin{aligned}(5) \quad & 3(-2x+3) \\ &= 3 \times (-2x) + 3 \times 3 \\ &= \mathbf{-6x + 9}\end{aligned}$$

$$\begin{aligned}(6) \quad & \frac{1}{3}(6x+9) \\ &= \frac{^2\mathbf{6}x}{_1\mathbf{3}} + \frac{^9\mathbf{9}}{_1\mathbf{3}} \\ &= \mathbf{2x + 3}\end{aligned}$$

24 次の計算をしなさい。

ふりかえろう!

23ページ

$$\begin{aligned}(1) \quad & 18x \div 3 = 18x \times \frac{1}{3} = \frac{^6\mathbf{18}x}{_1\mathbf{3}} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= \mathbf{6x}\end{aligned}$$

$$\begin{aligned}(2) \quad & 20x \div 5 = 20x \times \frac{1}{5} = \frac{^4\mathbf{20}x}{_1\mathbf{5}} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= \mathbf{4x}\end{aligned}$$

25 次の計算をしなさい。

ふりかえろう!

23ページ

$$\begin{aligned}(1) \quad & (18x+6) \div 2 = (18x+6) \times \frac{1}{2} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= \frac{^9\mathbf{18}x}{_1\mathbf{2}} + \frac{^6\mathbf{6}}{_1\mathbf{2}} \\ &= \mathbf{9x + 3}\end{aligned}$$

$$\begin{aligned}(2) \quad & (-24x+8) \div 4 = (-24x+8) \times \frac{1}{4} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= -\frac{^6\mathbf{24}x}{_1\mathbf{4}} + \frac{^8\mathbf{8}}{_1\mathbf{4}} \\ &= \mathbf{-6x + 2}\end{aligned}$$

$$\begin{aligned}(3) \quad & (12x-6) \div 3 = (12x-6) \times \frac{1}{3} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= \frac{^4\mathbf{12}x}{_1\mathbf{3}} - \frac{^6\mathbf{6}}{_1\mathbf{3}} \\ &= \mathbf{4x - 2}\end{aligned}$$

$$\begin{aligned}(4) \quad & (-8x-12) \div 2 = (-8x-12) \times \frac{1}{2} \\ & \quad \quad \quad \uparrow \quad \quad \quad \uparrow \\ & \quad \quad \quad \text{逆数} \quad \quad \quad \text{逆数} \\ &= -\frac{^4\mathbf{8}x}{_1\mathbf{2}} - \frac{^12\mathbf{12}}{_1\mathbf{2}} \\ &= \mathbf{-4x - 6}\end{aligned}$$