

1 次の計算をなさい。

(1) $2x+4x$

(2) $4x+1-2x+7$

(3) $\frac{x}{3}-x+\frac{x}{2}$

(4) $7a+(9a+2)$

(5) $5x+(-3x+1)$

(6) $-9a+2-(-a-5)$

(7) $8b-13-(2b+2)$

(8) $-3x-6-(-4+11x)$

(9) $\frac{1}{4}x-7+(\frac{3}{4}x-5)$

2 次の計算をなさい。

(1) $5x \times 3$

(2) $8x \times (-4)$

(3) $-3a \times (-6)$

(4) $35x \times \frac{6}{7}$

(5) $16x \div 2$

(6) $-45x \div (-5)$

(7) $7a \div (-\frac{7}{2})$

3 次の計算をなさい。

(1) $2(8x+1)$

(2) $(3x+9) \times (-4)$

(3) $(35x-10) \div (-5)$

(4) $(-6x-2) \div (-\frac{2}{11})$

(5) $\frac{5x+2}{3} \times 12$

(6) $x+4(2x-3)$

(7) $3(x-8)+4(2x+6)$

(8) $-8(2y-5)+3(1+2y)$

(9) $-4(4-3x)-6(2x-1)$

(10) $5(2-0.3a)+8(0.5a-1)$

(11) $\frac{1}{2}(x-6)-\frac{1}{5}(2x-10)$

1 次の計算をなさい。

$$\begin{aligned} (1) \quad & 2x+4x \\ & = (2+4)x \\ & = 6x \end{aligned}$$

$$\underline{6x}$$

$$\begin{aligned} (2) \quad & 4x+1-2x+7 \\ & = 4x-2x+1+7 \\ & = 2x+8 \end{aligned}$$

$$\underline{2x+8}$$

$$\begin{aligned} (3) \quad & \frac{x}{3}-x+\frac{x}{2} \\ & = \left(\frac{1}{3}-1+\frac{1}{2}\right)x \\ & = \left(\frac{2}{6}-\frac{6}{6}+\frac{3}{6}\right)x \\ & = -\frac{1}{6}x \end{aligned}$$

$$\underline{-\frac{1}{6}x}$$

$$\begin{aligned} (4) \quad & 7a+(9a+2) \\ & = 7a+9a+2 \\ & = 16a+2 \end{aligned}$$

$$\underline{16a+2}$$

$$\begin{aligned} (5) \quad & 5x+(-3x+1) \\ & = 5x-3x+1 \\ & = 2x+1 \end{aligned}$$

$$\underline{2x+1}$$

$$\begin{aligned} (6) \quad & -9a+2-(-a-5) \\ & = -9a+2+a+5 \\ & = -9a+a+2+5 \\ & = -8a+7 \end{aligned}$$

$$\underline{-8a+7}$$

$$\begin{aligned} (7) \quad & 8b-13-(2b+2) \\ & = 8b-13-2b-2 \\ & = 8b-2b-13-2 \\ & = 6b-15 \end{aligned}$$

$$\underline{6b-15}$$

$$\begin{aligned} (8) \quad & -3x-6-(-4+11x) \\ & = -3x-6+4-11x \\ & = -3x-11x-6+4 \\ & = -14x-2 \end{aligned}$$

$$\underline{-14x-2}$$

$$\begin{aligned} (9) \quad & \frac{1}{4}x-7+\left(\frac{3}{4}x-5\right) \\ & = \frac{1}{4}x-7+\frac{3}{4}x-5 \\ & = \frac{1}{4}x+\frac{3}{4}x-7-5 \\ & = x-12 \end{aligned}$$

$$\underline{x-12}$$

2 次の計算をなさい。

$$\begin{aligned} (1) \quad & 5x \times 3 \\ & = 5 \times x \times 3 \\ & = 5 \times 3 \times x \\ & = 15x \end{aligned}$$

$$\underline{15x}$$

$$\begin{aligned} (2) \quad & 8x \times (-4) \\ & = 8 \times x \times (-4) \\ & = 8 \times (-4) \times x \\ & = -32x \end{aligned}$$

$$\underline{-32x}$$

$$\begin{aligned} (3) \quad & -3a \times (-6) \\ & = -3 \times a \times (-6) \\ & = -3 \times (-6) \times a \\ & = 18a \end{aligned}$$

$$\underline{18a}$$

$$\begin{aligned} (4) \quad & 35x \times \frac{6}{7} \\ & = 35 \times x \times \frac{6}{7} \\ & = 35 \times \frac{6}{7} \times x \\ & = 30x \end{aligned}$$

$$\underline{30x}$$

$$\begin{aligned} (5) \quad & 16x \div 2 \\ & = \frac{16x}{2} \\ & = 8x \end{aligned}$$

$$\underline{8x}$$

$$\begin{aligned} (6) \quad & -45x \div (-5) \\ & = \frac{45x}{5} \\ & = 9x \end{aligned}$$

$$\underline{9x}$$

$$\begin{aligned} (7) \quad & 7a \div \left(-\frac{7}{2}\right) \\ & = 7a \times \left(-\frac{2}{7}\right) \\ & = -2a \end{aligned}$$

$$\underline{-2a}$$

3 次の計算をなさい。

$$\begin{aligned} (1) \quad & 2(8x+1) \\ & = 2 \times 8x + 2 \times 1 \\ & = 16x+2 \end{aligned}$$

$$\underline{16x+2}$$

$$\begin{aligned} (2) \quad & (3x+9) \times (-4) \\ & = 3x \times (-4) + 9 \times (-4) \\ & = -12x-36 \end{aligned}$$

$$\underline{-12x-36}$$

$$\begin{aligned} (3) \quad & (35x-10) \div (-5) \\ & = -\frac{35x}{5} + \frac{10}{5} \\ & = -7x+2 \end{aligned}$$

$$\underline{-7x+2}$$

$$\begin{aligned} (4) \quad & (-6x-2) \div \left(-\frac{2}{11}\right) \\ & = (-6x-2) \times \left(-\frac{11}{2}\right) \\ & = 33x+11 \end{aligned}$$

$$\underline{33x+11}$$

$$\begin{aligned} (5) \quad & \frac{5x+2}{3} \times 12 \\ & = (5x+2) \times 4 \\ & = 20x+8 \end{aligned}$$

$$\underline{20x+8}$$

$$\begin{aligned} (6) \quad & x+4(2x-3) \\ & = x+8x-12 \\ & = 9x-12 \end{aligned}$$

$$\underline{9x-12}$$

$$\begin{aligned} (7) \quad & 3(x-8)+4(2x+6) \\ & = 3x-24+8x+24 \\ & = 3x+8x-24+24 \\ & = 11x \end{aligned}$$

$$\underline{11x}$$

$$\begin{aligned} (8) \quad & -8(2y-5)+3(1+2y) \\ & = -16y+40+3+6y \\ & = -16y+6y+40+3 \\ & = -10y+43 \end{aligned}$$

$$\underline{-10y+43}$$

$$\begin{aligned} (9) \quad & -4(4-3x)-6(2x-1) \\ & = -16+12x-12x+6 \\ & = 12x-12x-16+6 \\ & = -10 \end{aligned}$$

$$\underline{-10}$$

$$\begin{aligned} (10) \quad & 5(2-0.3a)+8(0.5a-1) \\ & = 10-1.5a+4a-8 \\ & = -1.5a+4a+10-8 \\ & = 2.5a+2 \end{aligned}$$

$$\underline{2.5a+2}$$

$$\begin{aligned} (11) \quad & \frac{1}{2}(x-6)-\frac{1}{5}(2x-10) \\ & = \frac{1}{2}x-3-\frac{2}{5}x+2 \\ & = \frac{5}{10}x-\frac{4}{10}x-3+2 \\ & = \frac{1}{10}x-1 \end{aligned}$$

$$\underline{\frac{1}{10}x-1}$$