



1. 次の計算をなさい。

(1) $3x + 7x$
 $(3 + 7)x = 10x$

(2) $12y - 6y$
 $(12 - 6)y = 6y$

(3) $2a + 7a - 6a$
 $(2 + 7 - 6)a = 3a$

(4) $-6x + 3 + 2x - 5$
 $(-6 + 2)x + 3 - 5 = -4x - 2$

(5) $6y - 15 + 11y + 20$
 $(6 + 11)y - 15 + 20 = 17y + 5$

(6) $4 - 2a + 15 - 6a$
 $(-2 - 6)a + 4 + 15 = -8a + 19$

(7) $(3x + 3) + (9x - 2)$
 $3x + 3 + 9x - 2 = 12x + 1$

(8) $(5x - 4) - (2x - 7)$
 $5x - 4 - 2x + 7 = 3x + 3$

(9) $(5 - 3x) - (-4x - 10)$
 $5 - 3x + 4x + 10 = x + 15$

(10) $6x \times 4$
 $6 \times 4 \times x = 24x$

(11) $(-7) \times 2y$
 $(-7) \times 2 \times y = -14y$

(12) $8x \div 4$
 $8x \times \frac{1}{4} = 8 \times \frac{1}{4} \times x = 2x$

(13) $\frac{1}{2}(8a + 4b)$
 $\frac{1}{2} \times 8a + \frac{1}{2} \times 4b = 4a + 2b$

(14) $(15 - 5x) \div 3$
 $(15 - 5x) \times \frac{1}{3} = \frac{1}{3} \times 15 - \frac{1}{3} \times (-5x)$
 $5 - \frac{5}{3}x$

(15) $\left(\frac{3a + 5b}{4}\right) \div \frac{1}{4}$
 $\left(\frac{3a + 5b}{4}\right) \times 4 = \frac{4 \times (3a + 5b)}{4}$
 $= 3a + 5b$

(16) $-5\left(\frac{1}{5}x - \frac{1}{10}y + 2\right)$
 $-5 \times \frac{1}{5}x - (-5) \times \left(-\frac{1}{10}y\right) + (-5) \times 2$
 $= -x + \frac{1}{2}y - 10$

(17) $2(3x - 2y) + 4(-x + 3y)$
 $2 \times 3x - 2 \times 2y + 4 \times (-x) + 4 \times 3y$
 $= 6x - 4y - 4x + 12y$
 $= 2x + 8y$

(18) $\frac{1}{2}(12a + 4b) - \frac{1}{3}(9a - 3b)$
 $\frac{1}{2} \times 12a + \frac{1}{2} \times 4b - \frac{1}{3} \times 9a -$
 $\frac{1}{3} \times (-3b)$
 $= 6a + 2b - 3a + b = 3a + 3b$

(1) $10x$	(2) $6y$	(3) $3a$
(4) $-4x - 2$	(5) $17y + 5$	(6) $-8a + 19$
(7) $12x + 1$	(8) $3x + 3$	(9) $x + 15$
(10) $24x$	(11) $-14y$	(12) $2x$
(13) $4a + 2b$	(14) $5 - \frac{5}{3}x$	(15) $3a + 5b$
(16) $-x + \frac{1}{2}y - 10$	(17) $2x + 8y$	(18) $3a + 3b$