問題番号 07M0203_2 レベル ☆★★	うんな進学塾 中１ 第２章 文字と式 ③１次式の計算 No.2 解答	授業動画QR

1. 次の計算をしなさい。

(1) $-8y+2y$
$(-8+2)y = -6y$

(2) $x-3x+7x$
$(1-3+7)x = 5x$

(3) $2b-7+4b-12$
$(2+4)b-7-12 = 6b-19$

(4) $\frac{1}{6}x+\frac{5}{3}x-\frac{5}{12}x$
$\frac{(2+20-5)x}{12} = \frac{17}{12}x$

(5) $-0.7x+2.8x-0.5x$
$(-0.7+2.8-0.5)x = 1.6x$

(6) $\frac{3}{5}a-2a+3+\frac{3}{10}a-2$
$\left(\frac{6-20+3}{10}\right)a+3-2 = -\frac{11}{10}a+1$

(7) $(x+6y)+(3x-y)$
$x+6y+3x-y$
$=(1+3)x+(6-1)y$
$=4x+5y$

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

(9) $(6a-2b)-(2a-5b)$
$6a-2b-2a+5b$
$=(6-2)a+(5-2)b$
$=4a+3b$

(10) $35x \div 7$
$35x \times \frac{1}{7} = 35 \times \frac{1}{7}x = 5x$

(11) $15(8x-9)$
$15 \times 8x - 15 \times 9 = 120x-135$

(12) $-5x \times 8$
$-5 \times 8 \times x = -40x$

(13) $\frac{3a-8b}{7} \times 14$
$\frac{14(3a-8b)}{7} = 2(3a-8b)$
$=6a-16b$

(14) $-6 \times \left(\frac{2a-7b}{3}\right)$
$\frac{-6(2a-7b)}{3} = -2(2a-7b)$
$=-4a+14b$

(15) $(12a-8b) \div 4$
$(12a-8b) \times \frac{1}{4} = \frac{1}{4} \times 12a - \frac{1}{4} \times 8b$
$=3a-2b$

(16) $-3x(a+b+5)$
$-3x \times a - 3x \times b - 3x \times 5$
$=-3ax-3bx-15x$

(17) $21\left(\frac{2a}{7}-b\right)+3\left(a+\frac{1}{3}b\right)$
$21 \times \frac{2a}{7} - 21 \times b + 3 \times a + 3 \times \frac{1}{3}b$
$=6a-21b+3a+b = 9a-20b$

(18) $\left(\frac{a-2b+1}{3}\right) \div \frac{1}{12}$
$\left(\frac{a-2b+1}{3}\right) \times 12 = \frac{12(a-2b+1)}{3}$
$=4(a-2b+1) = 4a-8b+4$

(1) $-6y$	(2) $5x$	(3) $6b-19$
(4) $\frac{17}{12}x$	(5) $1.6x$	(6) $-\frac{11}{10}a+1$
(7) $4x+5y$	(8) $-3x-3y$	(9) $4a+3b$
(10) $5x$	(11) $120x-135$	(12) $-40x$
(13) $6a-16b$	(14) $-4a+14b$	(15) $3a-2b$
(16) $-3ax-3bx-15x$	(17) $9a-20b$	(18) $4a-8b+4$