文字と式 [文字式の表し方]

<演習問題>
次の式を、×や÷の記号を使わないで表せ。

(1)　$a \times (-3) \times b$

(2)　$c \times a \times b$

(3)　$a \times a \times a$

(4)　$a \times 4 \times b \times a$

(5)　$x \times y \times y \times x \times 1$

(6)　$x \times 0.1 \times y$

(7)　$b \times 10 \times a \times b$

(8)　$c \times a \times (-1) \times b \times c$

(9)　$y \times x \times (-0.01)$

(10)　$3 \times (a - b)$

(11)　$x \times 3 - 2 \times y$

(12)　$(x + y) \times 3 \times (x + y)$

(13)　$a \div 3$

(14)　$x \div (-2)$

(15)　$5 \div x$

(16)　$2x \div (-3)$

(17)　$x \div 2 + y \div 3$

(18)　$(x + y) \div 4$

(19)　$(a - b) \div (-2)$

(20)　$3 \times x \div y$

(21)　$a \times 3 - b \div 2$

(22)　$2 \div a \div (-5) \div b$

(23)　$x \times 3 \div y \times x \div (-7)$

(24)　$x \div (y \times z)$

＜演習問題＞
次の式を、×や÷の記号を使わないで表せ。

(1) $a \times (-3) \times b$

$a \times (-3) \times b = -3ab$

(2) $c \times a \times b$

$c \times a \times b = abc$

(3) $a \times a \times a$

$a \times a \times a = a^3$

(4) $a \times 4 \times b \times a$

$a \times 4 \times b \times a = 4a^2b$

(5) $x \times y \times y \times x \times 1$

$x \times y \times y \times x \times 1 = x^2y^2$

(6) $x \times 0.1 \times y$

$x \times 0.1 \times y = 0.1xy$

(7) $b \times 10 \times a \times b$

$b \times 10 \times a \times b = 10ab^2$

(8) $c \times a \times (-1) \times b \times c$

$c \times a \times (-1) \times b \times c = -abc^2$

(9) $y \times x \times (-0.01)$

$y \times x \times (-0.01) = -0.01xy$

(10) $3 \times (a - b)$

$3 \times (a - b) = 3(a - b)$

(11) $x \times 3 - 2 \times y$

$x \times 3 - 2 \times y = 3x - 2y$

(12) $(x + y) \times 3 \times (x + y)$

$(x + y) \times 3 \times (x + y) = 3(x + y)^2$

(13) $a \div 3$

$a \div 3 = \frac{a}{3}$

(14) $x \div (-2)$

$x \div (-2) = -\frac{a}{2}$

(15) $5 \div x$

$5 \div x = \frac{5}{x}$

(16) $2x \div (-3)$

$2x \div (-3) = -\frac{2x}{3}$

(17) $x \div 2 + y \div 3$

$x \div 2 + y \div 3 = \frac{x}{2} + \frac{y}{3}$

(18) $(x + y) \div 4$

$(x + y) \div 4 = \frac{x+y}{4}$

(19) $(a - b) \div (-2)$

$(a - b) \div (-2) = -\frac{a-b}{2}$

(20) $3 \times x \div y$

$3 \times x \div y = \frac{3x}{y}$

(21) $a \times 3 - b \div 2$

$a \times 3 - b \div 2 = 3a - \frac{b}{2}$

(22) $2 \div a \div (-5) \div b$

$2 \div a \div (-5) \div b = -\frac{2}{5ab}$

(23) $x \times 3 \div y \times x \div (-7)$

$x \times 3 \div y \times x \div (-7) = -\frac{3x^2}{7y}$

(24) $x \div (y \times z)$

$x \div (y \times z) = \frac{x}{yz}$