数学019「中3単項式と多項式の乗法・除法」 ★ 次の計算をしなさい。 $(2) \qquad -4x(5x/-9y)$ (1) a(3a/+2b) $= -4x \times 5x - 4x \times (-94)$ $= a \times 3a + a \times 2b$ $= -20x^2 + 36xy$ $= 3a^2 + 2ab$ (3) $(x/-2y) \times (-3y)$ (4) $(6x^2/-9x) \div (3x)$ $= \frac{9 \times (-34) + (-24) \times (-34)}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times -9 \times + 3 \times}{= -34} = \frac{6 \times^{2} + 3 \times}{= -34} = \frac{6 \times^{2$ (5) $(8ab^2/+12ab) \div (-4b)$ $= 8ab^2 \div (-4b) + 12ab \div (-4b)$ $=\frac{8ab^2}{-4b}+\frac{12ab}{-4b}$ $(8ab^2+12ab)\div (-4b)$ = -2ab + (-3a) $(6) \qquad (5x^2 + 7xy) \quad \frac{\cdot}{\cdot} \quad \frac{x}{2}$ $= 8ab^{2} \times \left(-\frac{1}{4b}\right) + 12ab \times \left(-\frac{1}{4b}\right)$ $= -\frac{8ab^{2}}{4b} - \frac{12ab}{4b}$ $=(5x^2+7x)\times\frac{2}{x}$ $= 5x^{2} \times \frac{2}{x} + 7xy \times \frac{2}{x}$ = - 2ab - 3a . = 10x + 14 // $(7) \qquad (6xy-4y) \div (-\frac{2}{3}y)$ $=(6xy-4y)\times(-\frac{3}{2x})$ $= 6 \times 4 \times \left(-\frac{3}{24}\right) - 4 \times \left(-\frac{3}{24}\right)$ $= -\frac{6x\cancel{y} \times \cancel{3}}{2\cancel{y}} + \frac{4\cancel{y} \times \cancel{3}}{2\cancel{y}}$ =-9x+6

