

2年式の計算(解答)

1. 次の計算をなさい。

$$\begin{array}{ll}
 (1) (-a)^2 \times 7a & \text{(奈良)} \\
 & \underline{7a^3} \\
 (2) 6a^2 \div 2a & \text{(鳥取)} \\
 & \underline{3a} \\
 (3) 6a^2b^3 \div 2ab^2 & \text{(栃木)} \\
 & \underline{3ab} \\
 (4) 28ab^2 \div 7b & \text{(神奈川)} \\
 & \underline{4ab} \\
 (5) 10ab \div (-2a) & \text{(岡山)} \\
 & \underline{-5b} \\
 (6) 3a \times (-2a)^2 & \text{(沖縄)} \\
 & \underline{12a^3} \\
 (7) \frac{9x^3y^2}{2} \div \frac{3x^2y}{4} & \text{(石川)} \\
 & \underline{6xy} \\
 (8) 8xy^2 \div 6y \times 3x & \text{(青森)} \\
 & \underline{4x^2y} \\
 (9) 6ab^2 \times (-2a) \div 4ab & \text{(山形)} \\
 & \underline{-3ab} \\
 (10) 24a^3b^3 \div 4ab \div 2b & \text{(新潟)} \\
 & \underline{3a^2b} \\
 (11) 2x \times 6x^2y \div 4xy & \text{(山梨)} \\
 & \underline{3x^2} \\
 (12) (-3a)^2 \times b \div 6a & \text{(静岡)} \\
 & \underline{\frac{3}{2}ab} \\
 (13) 6ab^2 \times 2a^2 \div 3ab & \text{(高知)} \\
 & \underline{4a^2b} \\
 (14) 12x^3y^2 \times 6x^2y \div (-3xy)^2 & \text{(大分)} \\
 & \underline{8x^3y} \\
 (15) \frac{18}{5}a \div (-3b)^2 \times ab^2 & \text{(福井)} \\
 & \underline{\frac{2}{5}a^2}
 \end{array}$$

$$\begin{array}{ll}
 (16) 2(3a+b) - 5a & \text{(長崎)} \\
 & \underline{a+2b} \\
 (17) 5(2x-y) - 2(3x+y) & \text{(茨城)} \\
 & \underline{4x-7y} \\
 (18) 3(x+2y) + 6(x-y) & \text{(群馬)} \\
 & \underline{9x} \\
 (19) a+6b - 2(5a-b) & \text{(東京)} \\
 & \underline{-9a+8b} \\
 (20) a+2b - 3(a-b) & \text{(富山)} \\
 & \underline{-2a+5b} \\
 (21) a-b - 3(a-2b) & \text{(長野)} \\
 & \underline{-2a+5b} \\
 (22) 3(2x+y) - (4x-5y) & \text{(滋賀)} \\
 & \underline{2x+8y} \\
 (23) 5a+3b - (2a-b) & \text{(大阪)} \\
 & \underline{3a+4b} \\
 (24) 3(x+5y) + 4(2x-3y) & \text{(島根)} \\
 & \underline{11x+3y} \\
 (25) 2(7x-3y) + (3x+5y) & \text{(広島)} \\
 & \underline{17x-y} \\
 (26) (x+2y-5) - 2(3x-y-4) & \text{(愛媛)} \\
 & \underline{-5x+4y+3} \\
 (27) 2(x-4y+3) + (3x-y-4) & \text{(山梨)} \\
 & \underline{5x-9y+2} \\
 (28) 3(2a+b) - 2(a-4b) & \text{(宮崎)} \\
 & \underline{4a+11b} \\
 (29) \frac{1}{3}(x-3y) - \frac{1}{2}\left(2y - \frac{4}{3}x\right) & \text{(和歌山)} \\
 & \underline{x-2y} \\
 (30) \frac{3x-2y}{6} - \frac{2x-y}{9} & \text{(長崎)} \\
 & \underline{\frac{5x-4y}{18}}
 \end{array}$$