

1 [解答] (1) $14a - 8$ (2) $11x + 12$ (3) $2x + 10$ (4) $10a + 5$ (5) $6y - 15$

(6) $27p + 26$ (7) $-2x + 59$ (8) $-19x - 15$ (9) $-8a - 6$

- (1) $2a + 4(3a - 2) = 2a + 12a - 8 = 14a - 8$
 (2) $5(x + 3) + 3(2x - 1) = 5x + 15 + 6x - 3 = 5x + 6x + 15 - 3 = 11x + 12$
 (3) $3(x + 1) - (x - 7) = 3x + 3 - x + 7 = 3x - x + 3 + 7 = 2x + 10$
 (4) $3(2a - 1) + 4(a + 2) = 6a - 3 + 4a + 8 = 6a + 4a - 3 + 8 = 10a + 5$
 (5) $7(2y - 3) - 2(4y - 3) = 14y - 21 - 8y + 6 = 14y - 8y - 21 + 6 = 6y - 15$
 (6) $4(6p + 5) + 3(2 + p) = 24p + 20 + 6 + 3p = 24p + 3p + 20 + 6 = 27p + 26$
 (7) $9(2x + 6) - 5(4x - 1) = 18x + 54 - 20x + 5 = 18x - 20x + 54 + 5 = -2x + 59$
 (8) $-2(6x - 3) + 7(-x - 3) = -12x + 6 - 7x - 21 = -12x - 7x + 6 - 21 = -19x - 15$
 (9) $8(2a - 3) - 3(8a - 6) = 16a - 24 - 24a + 18 = 16a - 24a - 24 + 18 = -8a - 6$

2 [解答] (1) $\frac{3}{4}x + \frac{3}{2}$ (2) $\frac{5}{6}a + \frac{5}{6}$ (3) $-\frac{1}{6}x + \frac{5}{6}$ (4) $\frac{49}{20}a + \frac{11}{10}$

(5) $\frac{38}{21}x - \frac{41}{21}$ (6) $\frac{1}{2}a + \frac{47}{36}$

- (1) $\frac{1}{4}x + \frac{1}{2}(x + 3) = \frac{1}{4}x + \frac{1}{2}x + \frac{3}{2} = \frac{1}{4}x + \frac{2}{4}x + \frac{3}{2} = \frac{3}{4}x + \frac{3}{2}$
 (2) $\frac{1}{2}(a + 3) + \frac{1}{3}(a - 2) = \frac{1}{2}a + \frac{3}{2} + \frac{1}{3}a - \frac{2}{3} = \frac{1}{2}a + \frac{1}{3}a + \frac{3}{2} - \frac{2}{3} = \frac{3}{6}a + \frac{2}{6}a + \frac{9}{6} - \frac{4}{6} = \frac{5}{6}a + \frac{5}{6}$
 (3) $\frac{1}{3}(2x + 1) - \frac{1}{6}(5x - 3) = \frac{2}{3}x + \frac{1}{3} - \frac{5}{6}x + \frac{1}{2} = \frac{2}{3}x - \frac{5}{6}x + \frac{1}{3} + \frac{1}{2} = \frac{4}{6}x - \frac{5}{6}x + \frac{2}{6} + \frac{3}{6} = -\frac{1}{6}x + \frac{5}{6}$
 (4) $\frac{3}{4}(3a + 2) + \frac{1}{5}(a - 2) = \frac{9}{4}a + \frac{3}{2} + \frac{1}{5}a - \frac{2}{5} = \frac{9}{4}a + \frac{1}{5}a + \frac{3}{2} - \frac{2}{5} = \frac{45}{20}a + \frac{4}{20}a + \frac{15}{10} - \frac{4}{10} = \frac{49}{20}a + \frac{11}{10}$
 (5) $\frac{5}{3}(x - 1) - \frac{1}{7}(-x + 2) = \frac{5}{3}x - \frac{5}{3} + \frac{1}{7}x - \frac{2}{7} = \frac{5}{3}x + \frac{1}{7}x - \frac{5}{3} - \frac{2}{7} = \frac{35}{21}x + \frac{3}{21}x - \frac{35}{21} - \frac{4}{21} = \frac{38}{21}x - \frac{41}{21}$

(6) $\frac{4}{9}(3a + 2) - \frac{5}{12}(2a - 1) = \frac{4}{3}a + \frac{8}{9} - \frac{5}{6}a + \frac{5}{12} = \frac{4}{3}a - \frac{5}{6}a + \frac{8}{9} + \frac{5}{12} = \frac{8}{6}a - \frac{5}{6}a + \frac{32}{36} + \frac{15}{36} = \frac{3}{6}a + \frac{47}{36} = \frac{1}{2}a + \frac{47}{36}$

[解答] (1) $\frac{4a + 1}{3}$ (2) $\frac{5x - 1}{6}$ (3) $\frac{11a - 1}{6}$ (4) $\frac{a - 1}{4}$ (5) $\frac{x + 8}{36}$

(6) $-\frac{11x - 1}{6}$

- (1) $2a - \frac{2a - 1}{3} = \frac{3 \times 2a - 2a + 1}{3} = \frac{6a - 2a + 1}{3} = \frac{4a + 1}{3}$
 (2) $\frac{x - 2}{3} + \frac{x + 1}{2} = \frac{2(x - 2) + 3(x + 1)}{6} = \frac{2x - 4 + 3x + 3}{6} = \frac{5x - 1}{6}$
 (3) $\frac{3a + 1}{2} + \frac{a - 2}{3} = \frac{3(3a + 1) + 2(a - 2)}{6} = \frac{9a + 3 + 2a - 4}{6} = \frac{11a - 1}{6}$
 (4) $\frac{a - 1}{2} - \frac{a - 1}{4} = \frac{2(a - 1) - (a - 1)}{4} = \frac{2a - 2 - a + 1}{4} = \frac{a - 1}{4}$
 (5) $\frac{4x - 1}{9} - \frac{5x - 4}{12} = \frac{4(4x - 1) - 3(5x - 4)}{36} = \frac{16x - 4 - 15x + 12}{36} = \frac{x + 8}{36}$
 (6) $x - \frac{5x - 1}{2} = \frac{x + 2}{3} = \frac{6x - 3(5x - 1) - 2(x + 2)}{6} = \frac{6x - 15x + 3 - 2x - 4}{6} = \frac{-11x - 1}{6}$