

$$1) \quad 2x(x + 5 + 7x^2) = 2x^2 + 10x + 14x^3 = 14x^3 + 2x^2 + 10x$$

$$2) \quad -5(2a + 3 - x) = -10a - 15 + 5x = -10a + 5x - 15$$

$$3) \quad -5(-x - 2a - 3) = 5x + 10a + 15 = 10a + 5x + 15$$

$$4) \quad -5x(2a + 3x - 7) = -10ax - 15x^2 + 35x$$

$$5) \quad -5p(-p - q + 3) = 5p^2 + 5pq - 15p = 5p^2 - 15p + 5pq$$

$$6) \quad 3(x - 6) + 2(x - 3) = 3x - 18 + 2x - 6 = 5x - 24$$

$$7) \quad 3x(x - 6) + 2(x - 3) = 3x^2 - 18x + 2x - 6 = 3x^2 - 16x - 6$$

$$8) \quad 2(-2x + 7) + 2x(-x - 3) = -4x + 14 - 2x^2 - 6x = -2x^2 - 10x + 14$$

$$9) \quad 3a(-x - 6a) - 2x(-a - 3) = -3ax - 18a^2 + 2ax + 6x = -18a^2 - ax + 6x$$

$$10) \quad 10(x^2 + 9) - 2x(x - 3) = 10x^2 + 90 - 2x^2 + 6x = 8x^2 + 6x + 90$$

$$11) \quad -\frac{1}{2}x\left(\frac{1}{3}x - 8\right) = -\frac{1}{6}x^2 + \frac{8}{2}x = -\frac{1}{6}x^2 + 4x$$

$$12) \quad \frac{1}{7}x(14x - 35) = 2x^2 - 5x$$

$$13) \quad -\frac{5}{12}\left(-\frac{1}{3}x - 8\right) = \frac{5}{12} \times \frac{1}{3}x + \frac{5}{12} \times 8 = \frac{5}{36}x + \frac{10}{3} = \frac{5}{36}x + 3\frac{1}{3}$$

$$14) \quad 10(3x^2 - 9) - 5(10x - 3) = 30x^2 - 90 - 50x + 15 = 30x^2 - 50x - 75$$

$$15) \quad -12x^3\left(\frac{1}{3}x - 5x^2\right) + 4x^4 = -\frac{12}{3}x^4 + 60x^5 + 4x^4 = -4x^4 + 60x^5 + 4x^4 = 60x^5$$

