

$$\textcircled{1} 7x - 35$$

$$= 7(x - 5)$$

$$\textcircled{9} 12a^2 + 8a$$

$$= 4a(3a + 2)$$

$$\textcircled{2} 16 + 12a$$

$$= 4(4 + 3a)$$

$$\textcircled{10} 4m + 8m^2 + 12m^3$$

$$= 4m(1 + 2m + 3m^2)$$

$$\textcircled{5} 8a + 6b - 2c$$

$$= 2(4a + 3b - c)$$

$$\textcircled{11} 25a - 25b^2$$

$$= 25(a - b^2)$$

$$\textcircled{4} 10a - 15b + 20c$$

$$= 5(2a - 3b + 4c)$$

$$\textcircled{12} 3x^5 - 6x^3$$

$$= 3x^3(x^2 - 2)$$

$$\textcircled{5} 4x^2 + 6x$$

$$= 2x(2x + 3)$$

$$\textcircled{13} 24w^3 - 8w^5$$

$$= 8w^3(3 - w^2)$$

$$\textcircled{6} 6a^2 - 5a$$

$$= a(6a - 5)$$

$$\textcircled{14} 35x - 15x^2$$

$$= 5x(7 - 3x)$$

$$\textcircled{7} 9a^3 - 12a^2 - 6a$$

$$= 3a(3a^2 - 4a - 2)$$

$$\textcircled{15} 2x^2 - 4x + 6$$

$$= 2(x^2 - 2x + 3)$$

$$\textcircled{8} 15a^2 - 9a$$

$$= 3a(5a - 3)$$

$$\textcircled{16} x^3 + 18x^2 - 72x$$

$$= x(x^2 + 18x - 72)$$