

$$\textcircled{1} \frac{8x^{10} + 14x^7}{2x^4}$$

$$\frac{8x^{10}}{2x^4} + \frac{14x^7}{2x^4}$$

$$\boxed{4x^6 + 7x^3}$$

$$\textcircled{2} \frac{15x^7 - 20x^5}{-5x^7}$$

$$\frac{15x^7}{-5x^7} - \frac{20x^5}{-5x^7}$$

$$\boxed{-3 + \frac{4}{x^2}}$$

$$\textcircled{3} \frac{-16x^{10} + 24x^7}{-4x^4}$$

$$\frac{-16x^{10}}{-4x^4} + \frac{24x^7}{-4x^4}$$

$$\boxed{4x^6 - 6x^3}$$

$$\textcircled{4} \frac{18r^6 - 30r^4}{6r}$$

$$\frac{18r^6}{6r} - \frac{30r^4}{6r}$$

$$\boxed{3r^5 - 5r^3}$$

$$\textcircled{5} \frac{m^4n^5 + mn^5}{mn}$$

$$\frac{m^4n^5}{mn} + \frac{mn^5}{mn}$$

$$\boxed{m^3n^4 + n^4}$$

$$\textcircled{6} 6 \text{ } \overbrace{600 \text{ } 000}$$

$$\boxed{6.6 \times 10^6}$$

$$\textcircled{7}$$

$$0.00004904$$

$$\boxed{4.904 \times 10^{-5}}$$

$$\textcircled{8} 8.292 \times 10^7$$

$$\boxed{82920000}$$

$$\textcircled{9} 0.00004706 \times 10^{-5}$$

$$\boxed{0.00004706}$$

$$\textcircled{10} 4x(-6x-9)$$

$$\boxed{-24x^2 - 36x}$$

$$\textcircled{11} -4z(z^2 + 6z - 3)$$

$$\boxed{-4z^3 - 24z^2 + 12z}$$

$$\textcircled{12} 4z^2(8z^2 - 2z + 3)$$

$$\boxed{32z^4 - 8z^3 + 12z^2}$$

$$\textcircled{13} (b-1)(b-8) \text{ FOIL}$$

$$b^2 - 8b - 1b + 8$$

$$\boxed{b^2 - 9b + 8}$$

$$\textcircled{14} (z-5)(z+10) \text{ FOIL}$$

$$z^2 - 10z - 5z - 50$$

$$\boxed{z^2 - 15z - 50}$$

$$\textcircled{15} (4x-3)(x+5) \text{ FOIL}$$

$$4x^2 + 20x - 3x - 15$$

$$\boxed{4x^2 + 17x - 15}$$

$$\textcircled{16} (y-15)^2 \text{ FOIL}$$

$$(y-15)(y-15)$$

$$y^2 - 15y - 15y + 225$$

$$\boxed{y^2 - 30y + 225}$$

$$\textcircled{17} (2a-5)^2 \text{ FOIL}$$

$$(2a-5)(2a-5)$$

$$4a^2 - 10a - 10a + 25$$

$$\boxed{4a^2 - 20a + 25}$$

$$\textcircled{18} (8y+x)(8y-x) \text{ FOIL}$$

$$64y^2 - 8xy + 8xy - x^2$$

$$\boxed{64y^2 - x^2}$$

$$\textcircled{19} (22x+7) - (-13x^2 - 11x + 7)$$

$$22x + 7 + 13x^2 + 11x - 7$$

$$\boxed{13x^2 + 33x}$$

$$\textcircled{20} (6y^3 + 3y^2 - 6) + (9y^3 - 5y^2 + 6)$$

$$6y^3 + 3y^2 - 6 + 9y^3 - 5y^2 + 6$$

$$\boxed{15y^3 - 2y^2}$$