

PARTNER WORKSHEET

FACTORING

FACTOR COMPLETELY

$$\textcircled{1} \quad 15x^3 - 25x^2 \\ 5x^2(3x - 5)$$

$$\textcircled{2} \quad 32x^5 + 24x^7 \\ 8x^5(4 + 3x^2)$$

$$\textcircled{3} \quad 6x^4y^2 + 9x^6y - 30xy \\ 3xy(2x^3y + 3x^5 - 10)$$

$$\textcircled{4} \quad 14x^2y^2 - 26xy^3 + 8x^3y^2 \\ 2xy^2(7x - 13y + 4x^2)$$

$$\textcircled{5} \quad x^2 + 9x + 18 \\ (x + 6)(x + 3)$$

$$\textcircled{6} \quad x^2 - 6x + 8 \\ (x - 2)(x - 4)$$

$$\textcircled{7} \quad x^2 - 81 \\ (x + 9)(x - 9)$$

$$\textcircled{8} \quad x^2 - 64 \\ (x + 8)(x - 8)$$

$$\textcircled{9} \quad 2x^2 + 11x + 5 \\ (2x + 1)(x + 5)$$

$$\textcircled{10} \quad 3x^2 + 5x + 2 \\ (3x + 2)(x + 1)$$

$$\textcircled{11} \quad 5x^2 + 12x + 7 \\ (5x + 7)(x + 1)$$

$$\textcircled{12} \quad 7x^2 + 22x + 3 \\ (7x + 1)(x + 3)$$

$$\textcircled{13} \quad 4x^2 + 7x + 3 \\ (4x + 3)(x + 1)$$

$$\textcircled{14} \quad 6x^2 + 31x + 5 \\ (6x + 1)(x + 5)$$

$$\textcircled{15} \quad 8x^2 - 11x - 3 \\ \text{PRIME}$$

$$\textcircled{16} \quad 4x^2 + x - 5 \\ (4x + 5)(x - 1)$$