

Extra PRACTICE

Answers

#4A

Factor using the GCF

$$\textcircled{1} m^5n^3 + 3m^2n^3 \quad \text{GCF} = m^2n^3 \\ m^2n^3(m^3 + 3)$$

$$\textcircled{2} -9x^3 + 63x^2 - 135x \quad \text{GCF} = 9x \text{ or } -9x \\ 9x(-x^2 + 7x - 15) \text{ or } -9x(x^2 - 7x + 15)$$

$$\textcircled{3} 5y^2 - 45y \quad \text{GCF} = 5y \\ 5y(y - 9)$$

$$\textcircled{4} 4y^3 + 28y^2 - 8y \quad \text{GCF} = 4y \\ 4y(y^2 + 7y - 2)$$

$$\textcircled{5} 5p^2q^2 + vpq \quad \text{GCF} = pq \\ pq(5pq + v)$$

$$\textcircled{6} -21c^2 + 28cd \quad \text{GCF} = 7c \\ 7c(-3c + 4d)$$

$$\textcircled{7} 3x^3y^2 + 6x^4 \quad \text{GCF} = 3x^3 \\ 3x^3(y^2 + 2x)$$

$$\textcircled{8} 8yz^2 + 28z^3 - 4z^2 \quad \text{GCF} = 4z^2 \\ 4z^2(2y + 7z - 1)$$