

Factor using the GCF

1. $4x^2 - 18x$
2. $12y^3z + 27y$
3. $8a^2 + 16b$
4. $9a^3 - 7a^2$
5. $25a^2b^2 + 15a^2b - 35a^2$
6. $17x^3 + 51x^2 - 28x$
7. $10mn - 30m^2n + 40mn^2$
8. $6x^2y + 2xy - 10xy^2$
9. $13m^5 - 5m^3 + 2m$

$$\textcircled{1} 4x^2 - 18x \\ 2x(2x - 9)$$

$$\textcircled{2} 12y^3z + 27y \\ 3y(4y^2z + 9)$$

$$\textcircled{3} 8a^2 + 16b \\ 8(a^2 + 2b)$$

$$\textcircled{4} 9a^3 - 7a^2 \\ a^2(9a - 7)$$

$$\textcircled{5} 25a^2b^2 + 15a^2b - 35a^2 \\ 5a^2(5b^2 + 3b - 7)$$

$$\textcircled{6} 17x^3 + 51x^2 - 28x \\ x(17x^2 + 51x - 28)$$

$$\textcircled{7} 10mn - 30m^2n + 40mn^2 \\ 10mn(1 - 3m + 4n)$$

$$\textcircled{8} 6x^2y + 2xy - 10xy^2 \\ 2xy(3x + 1 - 5y)$$

$$\textcircled{9} 13m^5 - 5m^3 + 2m \\ m(13m^4 - 5m^2 + 2)$$