

Factor each expression completely.

1. $m^3 - m^2 + 2m - 2$

2. $5n^3 - 10n^2 + 3n - 6$

3. $12a^3 - 9a^2 + 4a - 3$

4. $2p^3 + 5p^2 + 6p + 15$

5. $3n^3 - 4n^2 + 9n - 12$

6. $12n^3 + 4n^2 + 3n + 1$

7. $x^3 + x^2 - 3x - 3$

8. $2x^3 - 6x^2 - 5x + 15$

Factor completely.

9. $2xy + 6x + y + 3$

10. $35xy - 56y - 5x + 8$

11. $4x^2 + 6x + 2x + 3 = 0$

12. $8x^2 + 10x - 12x - 15 = 0$