

Factoring Monomials

To factor a polynomial means to write the polynomial as a product of prime polynomials.

1. Find the GCF of each of the terms
2. Factor out the GCF from each of the terms

1. $6a^3 + 15a =$

8. $x^2y^4 - x^2y - 4x^2 =$

2. $32b^2 + 12b =$

9. $a^{5n} + a^{2n} =$

3. $12a^5b^2 + 16a^4b =$

10. $3x^2y - 9xy + 12y =$

4. $9x^2 + 18y^4 =$

11. $25x^5 + 30x^3 - 15x^2 =$

5. $7x^2 - 15y =$

12. $20a^5b^3 + 30a^3b^2 - 40a^2b^3 =$

6. $y^4 - 3y^2 - 2y =$

13. $4x^6 + 16x^{10} + 64x^{12} =$

7. $2x^5 + 3x^4 - 4x^2 =$

