

Factoring**Factoring Monomials from Polynomials**

To factor a polynomial, write the polynomial as a product of other polynomials.

For example, $3x^2 - 6x$ can be written as $3x(x - 2)$.

$3x$ is the Greatest Common Factor (GCF) of $3x^2$ and $6x$.

$3x$ is a Common Monomial Factor of the terms of the binomial.

$x - 2$ is a Binomial Factor of $3x^2 - 6x$.

Factor.

1. $3x^2 - 12x^3 =$

2. $2x^3 - x^4 =$

3. $3a^5 - a^3 =$

4. $x^5 + 2x^2 =$

5. $24b^2 + 16b =$

6. $5x^3 - 7x^2 =$

7. $2x^3 + 6x^2 =$

8. $x^3 - 5x^2 =$

9. $15c - 3c^2 =$

10. $5x^5 - 12x^2 =$

11. $3x^5 + 4x^4 - 4x^2 =$

12. $9a^2 - 18a =$

13. $14b^3 - 7b^2 =$

14. $x^2 + x =$

15. $16a^5b^3 + 32a^4b =$

16. $x^3y^4 + x^2y^2 =$

17. $x^2 + x^4 + x^3 =$

18. $x^5 + 3x^2 =$

19. $x^2 + 3x^4 + 6x =$

20. $7x^2 - 21x^3 - 14x^4 =$