

Factoring Polynomials

Factor the following polynomials.

1. $x^2 + 4x - 32$

2. $x^2 - 7x + 10$

3. $4x^2 - 25$

4. $6x^2 - 10x$

5. $16x^4 - 625$

6. $x^2 + 4x - 285$

7. $x^2 - 8x + 16$

8. $6x^2y - 9xy^2 - 4x + 6y$

9. $x^2 + 13x + 36$

10. $16x^3 + 40x^2 + 10x + 25$

11. $x^2 - 10x + 11$

12. $x^3 - 4x^2 + 5x - 20$

13. $2ax^2 - 12ax + 9a$

14. $64x^3 - 36x$

15. $x^4 - 20x^3 + 96x^2$

16. $y^2 - 3y - 28$

17. $y^2 + \frac{2}{3}y + \frac{1}{9}$

18. $x^2 + 3xy - 10y^2$

19. $5 - 20t^2$

20. $x^2 - 6.25$