

Factoring Polynomials Printable Worksheet

Solve each problem and factor completely. An answer key is provided on the final page.

1. $x^2 + 5x + 6$

2. $x^2 + 7x + 12$

3. $x^2 - x - 12$

4. $x^2 - 9$

5. $2x^2 + 7x + 3$

6. $x^2 - 16x + 64$

7. $3x^2 - 12x$

8. $x^2 + 10x + 25$

9. $x^2 - 25$

10. $x^2 + 9x + 20$

11. $x^2 - 2x - 15$

12. $2x^2 + 11x + 5$

13. $x^2 - 36$

14. $4x^2 - 12x$

15. $x^2 + 8x + 16$

16. $x^2 - 4x - 21$

17. $3x^2 + 10x + 3$

18. $x^2 - 49$

19. $5x^2 - 20x$

20. $x^2 + 6x + 5$

Answer Key

1. $(x + 2)(x + 3)$

2. $(x + 3)(x + 4)$

3. $(x - 4)(x + 3)$

4. $(x - 3)(x + 3)$

5. $(2x + 1)(x + 3)$

6. $(x - 8)^2$

7. $3x(x - 4)$

8. $(x + 5)^2$

9. $(x - 5)(x + 5)$

10. $(x + 4)(x + 5)$

11. $(x - 5)(x + 3)$

12. $(2x + 1)(x + 5)$

13. $(x - 6)(x + 6)$

14. $4x(x - 3)$

15. $(x + 4)^2$

16. $(x - 7)(x + 3)$

17. $(3x + 1)(x + 3)$

18. $(x - 7)(x + 7)$

19. $5x(x - 4)$

20. $(x + 1)(x + 5)$