

Basic Factorising Worksheet

Solve each of the following problems by factorising the given expressions. Show all your working.

1. Factorise: $x^2 + 5x$

2. Factorise: $x^2 - 9$

3. Factorise: $2x^2 + 8x$

4. Factorise: $x^2 + 7x + 12$

5. Factorise: $x^2 - 4x$

6. Factorise: $3x^2 - 12$

7. Factorise: $x^2 + 6x + 9$

8. Factorise: $5x^2 + 10x$

9. Factorise: $x^2 - 16$

Answer Key

1. $x(x + 5)$
2. $(x + 3)(x - 3)$
3. $2x(x + 4)$
4. $(x + 3)(x + 4)$
5. $x(x - 4)$
6. $3(x^2 - 4) = 3(x + 2)(x - 2)$
7. $(x + 3)^2$
8. $5x(x + 2)$
9. $(x + 4)(x - 4)$
10. $(x - 5)(x + 3)$