

Read the Zero-Product Property and Example 1 on pages 536.

Solve each equation.

1. $(x + 3)(x - 8) = 0$

$x =$

2. $(4x + 7)(x - 6) = 0$

$x =$

3. $(3x - 1)(x + 11) = 0$

$x =$

4. $2x(x - 2) = 0$

$x =$

Now practice factoring.

Factor each completely.

5. $4x^2 - 12x - 27$

6. $3x^2 + 11x + 10$

7. $x^2 - 5x - 24$

8. $x^2 - 13x + 36$

9. $32x^2 - 56x$

10. $3x^3 + 6x^2 - 24x$