Lesson 15: Using the Quadratic Formula

Classwork

Opening Exercise

Solve:

1. $4x^2 + 5x + 3 = 2x^2 - 3x$

2. $c^2 - 14 = 5c$

Exercises 1–5

Solve the following equations using the quadratic formula.

1. $x^2 - 2x + 1 = 0$

2. $3b^2 + 4b + 8 = 0$

3. $2t^2 + 7t - 4 = 0$

4. $q^2 - 2q - 1 = 0$

5. $m^2 - 4 = 3$