Solving Quadratic Equations by Completing the Square

1. Solve each equation using the Square Root Property.
(similar to p.557 #20)

$$x^2 = 25$$

2. Solve each equation using the Square Root Property.
(similar to p.557 #28)

$$w^2 - 4 = 20$$

3. Solve each equation using the Square Root Property.
(similar to p.557 #34)

$$-5x^2 - 2 = 18$$

4. Solve each equation using the Square Root Property.
(similar to p.557 #40)

$$(3x - 2)^2 = 9$$

5. Solve each equation using the Square Root Property.
(similar to p.557 #42)

$$\left(x + \frac{5}{2}\right)^2 = \frac{7}{4}$$

6. Solve each quadratic equation by completing the square.
(similar to p.557 #56)

$$x^2 - 8x + 2 = 0$$

7. Solve each quadratic equation by completing the square.
(similar to p.557 #60)

$$x^2 + 3x + 5 = 0$$

8. Solve each quadratic equation by completing the square.
(similar to p.558 #70)

$$3x^2 - 5x + 1 = 0$$