Worksheet – Quadratic Equations

Solve the following equations:
Use the Zero Product Property:
a.) \( x^2 - 8x + 15 = 0 \)

b.) \( 2x^2 - 5x - 12 = 0 \)

Use the Square Root Theorem:
a.) \((x + 9)^2 = 64\)

b.) \((x - 7)^2 = (x + 4)^2\)

Solve by Completing the Square:
a.) \( x^2 + 14x - 17 = 0 \)

b.) \( 3x^2 - 6x + 12 = 0 \)

Solve by using the Quadratic Formula:
a.) \( 5x^2 - 6x + 4 = 0 \)

b.) \(-2x^2 + 4x + 1 = 0\)