

Assignment

Date _____ Period _____

Solve each equation by completing the square.

1) $x^2 + 2x - 16 = -8$

2) $x^2 - 10x - 28 = -4$

3) $m^2 + 14m - 103 = -8$

4) $x^2 - 16x + 55 = 0$

5) $4a^2 + 16a + 12 = 0$

6) $3x^2 + 12x - 36 = 0$

7) $5k^2 - 10k - 40 = 0$

8) $6x^2 + 12x - 18 = 0$

Answers to Assignment (ID: 1)

1) $\{2, -4\}$
5) $\{-1, -3\}$

2) $\{12, -2\}$
6) $\{2, -6\}$

3) $\{5, -19\}$
7) $\{4, -2\}$

4) $\{11, 5\}$
8) $\{1, -3\}$