

Name: \_\_\_\_\_ Solving Quadratics - Completing the Square Wksht  
Solve the quadratic by completing the square.

1.  $x^2 - 4x - 5 = 0$

2.  $x^2 + 4x + 1 = 0$

3.  $x^2 - 10x + 21 = 0$

4.  $x^2 + 18 = 9x$

5.  $3x^2 - 9x - 12 = 0$

6.  $4x^2 + 24x + 32 = 0$

7.  $x^2 - 14x + 19 = 0$

8.  $2x^2 + 16x + 20 = 0$

9.  $x^2 + 16 = 8x$

10.  $x^2 - 10x - 61 = -5$

Answers:  $\{4, -1\}$ ,  $\{7, 3\}$ ,  $\{-2 \pm \sqrt{3}\}$ ,  $\{7 \pm \sqrt{30}\}$ ,  $\{6, 3\}$ ,  $\{4\}$ ,  $\{5, -1\}$ ,  $\{-2, -4\}$ ,  $\{7, 3\}$ ,  $\{-4 \pm \sqrt{6}\}$ ,  $\{14, -4\}$