



## Algebra 2 Worksheet

Name \_\_\_\_\_

Solve each equation.

Find the value of  $a$   
that completes the square.

1.  $2x - 3x = -18$

6.  $x^2 + 4x + a =$

2.  $4x - 3x = 12$

7.  $x^2 - 6x - a =$

3.  $5x + 2x = -14$

8.  $x^2 - 8x - a =$

4.  $7x - 3x = -20$

9.  $x^2 - 12x + a =$

5.  $6x - 3x = -24$