



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. $6x - 3x = -24$