

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Trinomial Factoring and Solving Practice**

1. $5x^2 + 19x + 12 = 0$          $x =$ _____	2. $x^2 + 8x = -7$          $x =$ _____
3. $x^2 - 12 = 4x$          $x =$ _____	4. $16x^2 + 60x - 100 = 0$          $x =$ _____
5. $6x^2 + 37x + 6 = 0$          $x =$ _____	6. $4x^2 - 25 = 15x$          $x =$ _____
7. $9x^2 = -66x - 21$          $x =$ _____	8. $-8x + 4 = -3x^2$          $x =$ _____

9.

$$(n + 3)(7n + 8) = 0$$

 $x =$  \_\_\_\_\_

10.

$$n^2 + n - 2 = 0$$

 $x =$  \_\_\_\_\_

11.

$$(5r + 8)(r - 1) = 0$$

 $x =$  \_\_\_\_\_

12.

$$b^2 - b - 30 = 0$$

 $x =$  \_\_\_\_\_

13.

$$b^2 + 12b + 32 = 0$$

 $x =$  \_\_\_\_\_

14.

$$(v - 2)(v - 5) = 0$$

 $x =$  \_\_\_\_\_

15.

$$x(7x - 1) = 0$$

 $x =$  \_\_\_\_\_

16.

$$x^2 + 5x - 24 = 0$$

 $x =$  \_\_\_\_\_