

**Factoring****Factoring Trinomials of the Form  $ax^2 + bx + c$** 

$$2x^2 - 8x - 10 = 2(x^2 - 4x - 5) = 2(x - 5)(x + 1)$$

Factor.

1.  $12x^2 - 156x + 144 =$

2.  $6x^2 - 15x + 6 =$

3.  $2x^2 + 9x + 10 =$

4.  $4x^2 - 18x + 20 =$

5.  $3x^2 - 10x + 7 =$

6.  $3x^2 - 5x - 12 =$

7.  $3x^2 - 4x - 32 =$

8.  $5x^2 + 25x + 30 =$

9.  $3x^2 - 20x - 7 =$

10.  $6x^2 - 15x - 21 =$

11.  $7c^2 - 16c + 9 =$

12.  $7x^2 - 26x - 8 =$

13.  $2x^2 + 17x + 21 =$

14.  $6a^2 - 21a + 15 =$

15.  $2y^2 - 17y + 35 =$

16.  $12x^2 - 6x - 18 =$

17.  $4x^2 + 7x - 15 =$

18.  $6x^2 - 25x - 25 =$

19.  $4x^2 - 23x + 15 =$

20.  $3x^2 + 19x + 20 =$