

Name \_\_\_\_\_

**FACTORING POLYNOMIALS #2**

**Directions:** Factor each polynomial below. In the space provided, write your answer as the product of two binomials.

Examples:  $x^2 - 9x - 10 = \underline{(x - 10)(x + 1)}$       and       $x^2 - x - 20 = \underline{(x - 5)(x + 4)}$

1)  $x^2 - 2x - 35 =$  \_\_\_\_\_

2)  $x^2 - 6x - 27 =$  \_\_\_\_\_

3)  $x^2 - 3x - 40 =$  \_\_\_\_\_

4)  $x^2 - 4x - 60 =$  \_\_\_\_\_

5)  $x^2 - 16x - 80 =$  \_\_\_\_\_

6)  $x^2 - 22x - 48 =$  \_\_\_\_\_

7)  $x^2 - 13x - 48 =$  \_\_\_\_\_

8)  $x^2 - 9x - 36 =$  \_\_\_\_\_

9)  $x^2 - 8x - 9 =$  \_\_\_\_\_

10)  $x^2 - 4x - 45 =$  \_\_\_\_\_