

Name \_\_\_\_\_

**FACTORING POLYNOMIALS #1**

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

Examples:  $x^2 + 7x + 10 = \underline{(x + 5)(x + 2)}$       and       $x^2 + 12x + 20 = \underline{(x + 10)(x + 2)}$

1)  $x^2 + 8x + 15 =$  \_\_\_\_\_

2)  $x^2 + 11x + 18 =$  \_\_\_\_\_

3)  $x^2 + 12x + 32 =$  \_\_\_\_\_

4)  $x^2 + 15x + 50 =$  \_\_\_\_\_

5)  $x^2 + 20x + 100 =$  \_\_\_\_\_

6)  $x^2 + 16x + 48 =$  \_\_\_\_\_

7)  $x^2 + 18x + 32 =$  \_\_\_\_\_

8)  $x^2 + 22x + 96 =$  \_\_\_\_\_

9)  $x^2 + 8x + 7 =$  \_\_\_\_\_

10)  $x^2 + 10x + 25 =$  \_\_\_\_\_