

Name \_\_\_\_\_

**FACTORING POLYNOMIALS #2**

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

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

1)  $x^2 + 17x + 70 =$  \_\_\_\_\_

2)  $x^2 + 19x + 34 =$  \_\_\_\_\_

3)  $x^2 + 15x + 56 =$  \_\_\_\_\_

4)  $x^2 + 27x + 50 =$  \_\_\_\_\_

5)  $x^2 + 29x + 100 =$  \_\_\_\_\_

6)  $x^2 + 16x + 64 =$  \_\_\_\_\_

7)  $x^2 + 20x + 51 =$  \_\_\_\_\_

8)  $x^2 + 51x + 98 =$  \_\_\_\_\_

9)  $x^2 + 5x + 6 =$  \_\_\_\_\_

10)  $x^2 + 14x + 49 =$  \_\_\_\_\_