

## 2-1 Factoring Polynomials

Name: \_\_\_\_\_

Time Start: \_\_\_\_\_ Finish: \_\_\_\_\_

Total Time = \_\_\_\_\_

Factor each trinomial completely.

1.  $x^2 + 11x + 18$

2.  $x^2 + 13x + 30$

3.  $x^2 + 41x + 40$

4.  $x^2 + 15x + 50$

5.  $x^2 + 7x + 10$

6.  $x^2 - x - 56$

7.  $x^2 + 11x + 10$

8.  $x^2 - 55x - 56$

9.  $x^2 - 8x + 12$

10.  $x^2 - x - 20$

11.  $x^2 - 16x + 15$

12.  $x^2 - 13x - 30$

13.  $x^2 + 5x - 24$

14.  $x^2 - 34x - 35$

Don't forget to factor out GCF first!

$$\boxed{15.} \quad 20x^2 + 18x - 18$$

$$16. \quad 6x^2 - 8x - 8$$

$$\boxed{17.} \quad 6x^2 + 9x - 105$$

$$\boxed{18.} \quad 21x^2 - x - 2$$

$$19. \quad x^2 + x + 1$$

$$20. \quad 2x^2 - 5x - 12$$

$$\boxed{21.} \quad 12x^2 + 4x - 33$$

$$\boxed{22.} \quad 8x^2 + 75x + 27$$