

***Dynamics of Trigonometry - Ruckdeschel***

**Quadratic Equations – Simple Factors**

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

Date: \_\_\_\_\_

Block: \_\_\_\_\_

**Directions:** Factor the following

1.  $x^2 + 3x + 2$

6.  $x^2 + 5 - 6$

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

2.  $x^2 + 6 + 8$

7.  $x^2 + 4 - 21$

12.  $x^2 - 4x + 4$

3.  $x^2 + 9 + 18$

8.  $x^2 + 3 - 40$

13.  $x^2 - 6x + 9$

4.  $x^2 + 12 + 32$

9.  $x^2 + 2x - 63$

14.  $x^2 - 8x + 16$

5.  $x^2 + 15 + 50$

10.  $x^2 + 1 - 90$

15.  $x^2 - 10x + 25$

$$16. 3x^2 + 12x - 180$$

$$21. -6x^2 - 36x - 30$$

$$26. -3x^2 + 18x - 24$$

$$17. 4x^2 + 8x - 252$$

$$22. -5x^2 - 35x - 60$$

$$27. -7x^2 + 28x - 21$$

$$18. 5x^2 - 5x - 280$$

$$23. -4x^2 - 32x - 60$$

$$28. -6x^2 - 12x + 18$$

$$19. 6x^2 - 6x - 432$$

$$24. 8x^2 + 48x + 64$$

$$29. -5x^2 - 10x + 40$$

$$20. 7x^2 - 28x - 420$$

$$25. -2x^2 + 4x + 6$$

$$30. 9x^2 + 27x - 90$$