

***Dynamics of Trigonometry - Ruckdeschel***  
**Quadratic Equations – Complex Factors**

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

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

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

**Directions:** Factor the following

1.  $20x^2 + 6x - 8$

5.  $7x^2 - 72x + 81$

2.  $4x^2 - 9x - 9$

6.  $-10x^2 - 11x + 6$

3.  $-9x^2 + 9x - 2$

7.  $-12x^2 - 19x - 5$

4.  $-14x^2 - 45x + 81$

8.  $-6x^2 + 23x - 15$

9.  $-6x^2 - 5x - 1$

15.  $-63x^2 - 45x + 18$

10.  $30x^2 - 27x + 6$

16.  $-63x^2 - 72x - 9$

11.  $3x^2 - 17x + 20$

17.  $-15x^2 - 4x + 4$

12.  $16x^2 + 12x - 10$

18.  $-15x^2 + 23x - 4$

13.  $3x^2 + 9x - 12$

19.  $5x^2 - 33x + 18$

14.  $3x^2 - 9x + 6$

20.  $-2x^2 + 5x - 3$