

Due Monday April 8, 2014
Show All Work

1. Solve the following System of Equations. **Chapter 6**

$$-4x + 2y = 0$$

$$10x + 3y = 8$$

2. Simplify: $\frac{t^4 u v^{-2}}{t^{-3} u^7}$ **Chapter 7**

3. Add: $(7y^2 + 2y - 3) + (2 - 4y + 5y^2)$ **Chapter 8.1**

4. Solve: $w(4w + 6) + 2w = 2(2w^2 + 7w - 3)$ **Chapter 8.2**

5. Factor, then solve: $4x^2 - 13x + 10 = 0$ **Chapter 8.7**