

Name: Key



## Unit 7

### GCF Homework

Factor out the GCF.

$$1. \frac{3x^2}{3} + \frac{24x}{3} - \frac{27}{3}$$

$$3(x^2 + 8x - 9)$$

$$2. \frac{12x^2}{2} + \frac{14x}{2} + \frac{4}{2}$$

$$2(6x^2 + 7x + 2)$$

$$3. \frac{3x^3}{3x^2} - \frac{48x^2}{3x^2}$$

$$3x^2(x - 16)$$

$$4. \frac{-11x}{-11} - \frac{22}{-11}$$

$$-11(x + 2)$$

$$5. \frac{27x}{9} - \frac{9}{9}$$

$$9(3x - 1)$$

$$6. \frac{-30x^3}{-10x} - \frac{20x^2}{-10x} - \frac{10x}{-10x}$$

$$-10x(3x^2 + 2x + 1)$$

$$7. \frac{2x}{2} - \frac{4}{2}$$

$$2(x - 2)$$

$$8. \frac{18x}{3} - \frac{9}{3} - \frac{3x^2}{3}$$

$$3(6x - 3 - x^2)$$