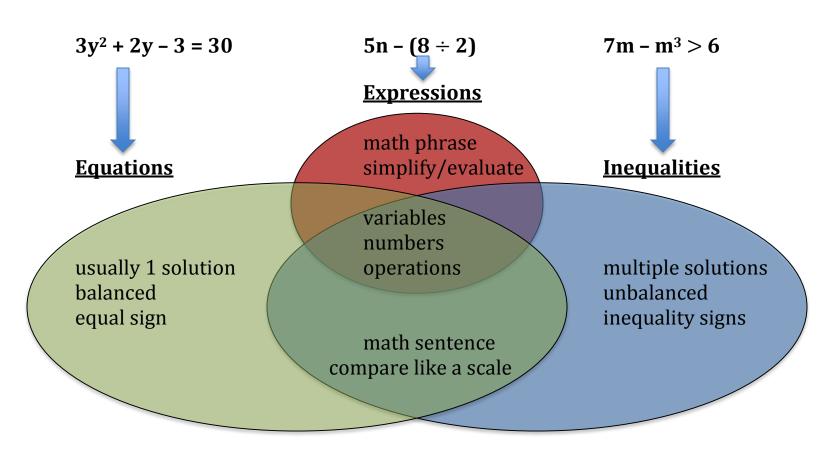
Date: _____ Core/Period: _____

Expressions, Equations and Inequalities Guided Notes with Answers



List characteristics of each "item" above and then create a Venn diagram to compare and contrast similarities and differences.

Date: _____ Core/Period: ____

I. Categorize each of the following mathematical "items" into the proper columns:

$$5x + 3x + 2x$$
 45 $45x - 4 = 86$ $4 + 9y > 36$ $5 - 3 + 12 \times 2$ $9 < 23b$

$$45x - 4 = 86$$

$$4 + 9v > 3$$

$$5 - 3 + 12 \times 2$$

$$t - 7 = 7$$

$$2w + 3 = 23$$

$$98 \div 2x \le 14$$

$$u - 5 \ge 12$$

$$t-7=7$$
 $2w+3=23$ $98 \div 2x \le 14$ $u-5 \ge 12$ $5d-d+b$ $7g = \frac{10}{2a}$

$$g = \frac{10}{2a}$$

Expressions	Equations	Inequalities
5x + 3x + 2x	45x - 4 = 86	4 + 9y > 36
45	t – 7 = 7	9< 23b
5 – 3 + 12 x 2	2w + 3 = 23	$98 \div 2x \le 14$
5d – d + b	$7g = \frac{10}{2g}$	u - 5 ≥ 12

- Write each "statement" mathematically and identify it as an expression, equation, or inequality: II.
- 1. Each fountainhead had two nozzles each and there were 5 faucets.

2f + 5, expression.

2. All three of the fountainheads sprayed out the same amount of water, which totaled twelve thousand gallons of water.

3f = 12,000, equation.

3. The two filters processed at least five-hundred-thousand gallons of water a week.

 $2f \ge 500,000$, inequality.