

Chapter 8 Study Guide and Review for Test Form 2A and 2B

Chapter 8, Lesson 1: "Simplifying Algebraic Expressions" (problems 1 – 3)

- Show an example of what the *Distributive Property* is:

Show an example of each of the following::

Term:

Variable Term:

Constant:

Describe the steps to simplify $-12 + 7n + 34 - 9n$:

1)

2)

3)

Chapter 8, Lesson 2: "Solving Two-Step Equations" (problems 4 – 6 , 10, & 14, 17 -19)

- Describe how to this equation: $n/15 - 10 = 3$

Step 1)

Step 2)

Chapter 8, Lesson 3: "Writing Two-Step Equations" (problems 7 - 9)

When translating words into an equation describe what the following key words mean:

Less than:

Less:

More than:

More:

Chapter 8, Lesson 4: "Solving Equations with Variables on Both Sides" (no problems)

$$15 + 5x = 6x - 9$$

- What do you eliminate 1st in this equation?

- What do you eliminate next?

Chapter 8, Lesson 6: "Inequalities" (problems 11, 15 & 20)



Write the inequality for by the graph above:

When translating words into an inequality, describe what the following key words, mean:

At least:

Is at most:

Is no more than:

Is no less than:



Write the inequality for by the graph above:

Chapter 8, Lesson 7: "Solving Inequalities by Adding and Subtracting" (problems 12 - 13)

$$a - 3 \leq 5$$

- Describe the 1st step to solve this inequality:

- Describe the 2nd step to solve this inequality:

$$5x \geq -35$$

- Describe the 1st step to solve this inequality:

- Describe the 2nd step to solve this inequality:

Chapter 8, Lesson 8: "Solving Inequalities by Multiplying and Dividing" (problems 12 - 13)

$$a/-2 < 8$$

- Describe the 1st step to solve this inequality:

- Describe the 2nd step to solve this inequality:

$$-24 \geq -6y$$

- Describe the 1st step to solve this inequality:

- Describe the 2nd step to solve this inequality: