ALGEBRA II **Chapter 1 section 6 Solve Linear Inequalities** pg. 41

FOCUS:

How are the rules for solving linear inequalities similar to those for solving linear equations, and how are they different?

VOCAB:

Linear	Inequality:_
--------	--------------

Compound Inequality:

Equivalent Inequalities:

WARM – UP:

Solve the equation.

1. 0.4x + 1.5 = 0.6x + 3 2. 5(x - 8) = 9x + 20

3. Solve the equation 440 = C + 200 for r after using the formula $C = 2\pi r$ to substitute for C.

NOTES:

Graph on a number line.

x > -3

x ≤ 0



You have budgeted \$66 a month to spend on yoga classes. Your yoga studio charges a \$22 per month membership fee, plus 5.50 per class attended. Describe the possible number of classes you can attend each month.



In Illinois, the lowest temperature on record is -36°F in January, 1999, in Congerville, while the highest temperature on record is 117°F in July, 1954, in East St. Louis. Write the range of temperatures as an inequality. Then write an inequality giving the temperature range in degrees Celsius.

Let's see if you comprehended what we worked on in class...

for homework

Try _____