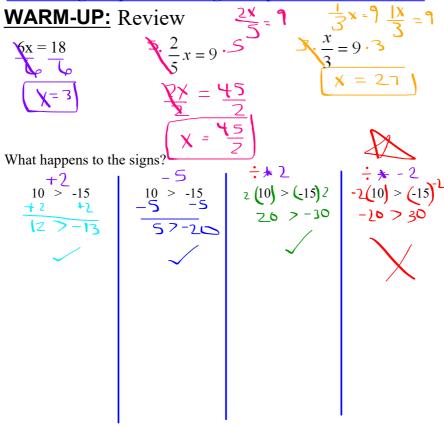
2. 3 Solving Inequalities Using Multiplication or Division with work

2.3 Solving Inequalities Using Multiplication and Division



Dec 4-9:26 AM

★ Whenever you multiply or divide both sides of an inequality by a negative #, then the inequality sign needs to be flipped.

Examples:

What are we multiplying both sides by?

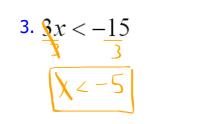
$$1. \quad \frac{x}{3} \ge -8 \cdot 3$$

$$\boxed{\chi \ge -24}$$

What are we multiplying both sides by?



2. 3 Solving Inequalities Using Multiplication or Division with work



4.
$$\frac{2}{3}x > -6^{-3}$$

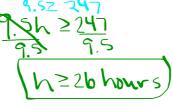
26

$$5. - 6 \ge -\frac{4}{5}x.$$

6. Four-fifths of a number is at most twenty. Write an inequality and solve it.



7. You earn \$9.50 per hour at your summer job. Write and solve an inequality that represents the numbers of hours you need to work to buy a digital camera that costs \$247.



Dec 4-9:30 AM

2.3 Assignment

HW: pg. 71

A: 8, 10, 16 - 30 (e), 34, 38, 40 - 47 (e)

B: 1 - 10, 12, 16, 20, 28, 30, 34, 38, 40 - 47

C: 1, 3, 7, 9, 12, 16, 20, 28, 30, 34, 42, 45