4.3

Solving Inequalities Using Multiplication & Division (Day 1)

Homework Change:

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REVIEW

Solve the following:

1) $-3x = 21$

2) $7x = -28$

3) $-8x = 72$

REVIEW

Solve the following:

4) $\frac{x}{-2} = 6$

5) $\frac{x}{-9} = -3$

REVIEW

Solve the following:

6) $\frac{1}{2}x = 3$

7) $\frac{3}{4}x = 21$

PRACTICE **Solve and graph the following:**

8) $4x > 12$

9) $\frac{n}{5} \leq 2$

PRACTICE

Solve and graph the following:

10) $-28 \leq 7k$

11) $-3 > \frac{n}{6}$

PRACTICE

Solve and graph the following:

12) $\frac{d}{4} \geq 1.2$

13) $-32 > 1.6h$

PRACTICE **Solve and graph the following:**

14) $\frac{1}{3}x \leq 5$

Word Problems

Write the word sentence as an inequality. Then solve the inequality.

15) Five times a number is less than 15.

16) The quotient of a number and 4 at least -2.

Word Problems

Write the word sentence as an inequality. Then solve the inequality.

17) The area of a rectangle is at most 72 m^2. What is its width if the length is 9 m.?

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