Unit 7 Objective 7 Remediation

Apply the multiplication property of inequality

Goal: Get the variable by itself by multiplying a number to each side of the inequality.

- **Write all answers with the variable coming first**

Remember:

When you multiply both sides on an inequality by a negative number you must FLIP the inequality sign!

Examples:

A. $\frac{x}{3} \geq -2$

x 3 $\frac{x}{3} \geq -2$ x 3

$x \geq -6$

B. $\frac{x}{-3} < 7$

Multiply both sides by -3

So inequality sign flips

$x > -21$

Try These:

1.) $\frac{g}{4} > 5$

2.) $\frac{k}{6} < 2$

3.) $3 \geq \frac{h}{2}$

4.) $\frac{t}{-2} > 5$

5.) $\frac{j}{3} \leq -4$

6.) $\frac{p}{3} \geq 6$

7.) $\frac{h}{-2} < 8$

8.) $4 > \frac{m}{-5}$

9.) $\frac{n}{4} \leq 3$

10.) $\frac{b}{6} > -3$

11.) $\frac{x}{5} \leq 3$

12.) $10 < \frac{p}{9}$

13.) $5 < \frac{p}{10}$

14.) $\frac{x}{3} \geq -6$

15.) $-5 \leq \frac{n}{4}$

16.) $\frac{x}{-2} \geq 10$