Additional Problems: 1-Variable Equations and Inequalities

**Solving Linear Inequalities**

1. Click on this [link](https://www.geogebra.org/m/ns2xr6na) and practice graphing at least five inequalities. Take a screenshot of the one you are most proud of and upload it here.
2. Select the correct graph of x > 2
	1. 
	2. 
	3. 
	4. 
3. Select the correct graph of x ≥ 4
	1. 
	2. 
	3. 
	4. 
4. What inequality does the number line graph?



* 1. x < 10
	2. x > 10
	3. x ≥ 10
	4. x ≤ 10
1. What inequality does the number line graph?



* 1. x < 8
	2. x > 8
	3. x ≥ 8
	4. x ≤ 8
1. What inequality does the number line graph?



* 1. x < 0
	2. x > 0
	3. x ≥ 0
	4. x ≤ 0
1. What property of inequality justifies the steps shown in the following solution process?

2/5x ≤ -10

5/2 (2/5) x ≤ -10 (5/2)

X ≤ -25

* 1. Addition Property of Inequality
	2. Division Property of Inequality
	3. Multiplication Property of Inequality
	4. Subtraction Property of Inequality
1. Solve the inequality $\frac{3}{7}$ x ≥ 15
2. Solve the inequality $\frac{2}{3}$ y < 8
3. Solve the inequality $\frac{5}{6}$ ≤ 30