**6.2** 

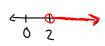
## **SOLVING INEQUALITIES USING MULTIPLICATION/DIVISION**

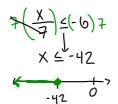
**IMPORTANT NOTE:** IF YOU MULTIPLY OR DIVIDE BY A **NEGATIVE #, YOU** MUST FLIP YOUR **INEQUALITY SIGN!** 

Examples...

Solve & Graph each Inequality:

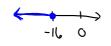
$$2. \ \frac{x}{7} \le -6$$

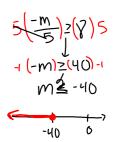




Examples continued... Solve and Graph each Inequality:

3. 
$$\frac{1}{3}y \ge \frac{48}{3}$$
 4.  $\frac{-m}{5} \ge 8$ 



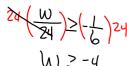


## Translate, solve and graph......

5. The product of -15 and y is less 90.



6. The quotient of w and 24 is greater than or equal to -1/6.





## 7. Word Problem Practice...

Road Trip You and three of your friends plan to rent a car for a road trip. The group budget is \$350. The group decides to split the cost of the rental equally.