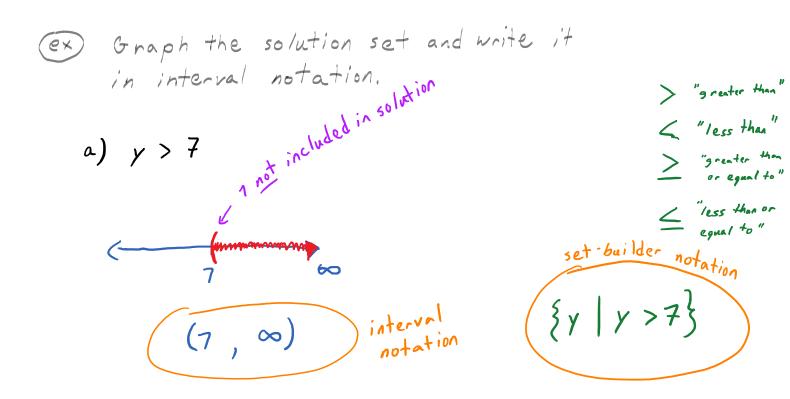
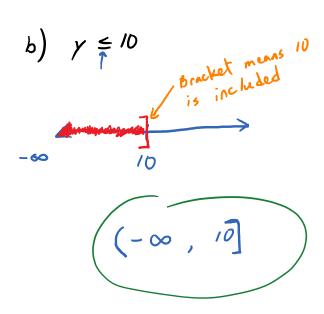
Interval Notation

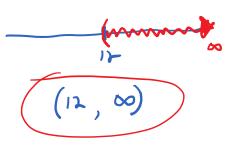
Goal: to solve inequalities and write answers in interval notation.





(ex) solve. Write the answer in interval notation.

a)
$$\frac{3}{4} \times -2 > 7$$
 $+2 +2$
 $\frac{4}{3} \cdot \frac{2}{4} \times > 3 \cdot 9 \cdot \frac{4}{3}$
 $\times > 12$



b) 4(Z-1)+2 Z (3Z+8)-2Z

$$4z - 4 + 2 = 2 + 8$$
 $4z - 2 = 2 + 8$
 $-2 + 2 = 2 + 2$
 $3z = 2/0$
 $z = 2/0$

$$\left[\frac{10}{3},\infty\right)$$

c)
$$-5 \times + 2 \geq 12$$

$$-5 \times \geq 10$$

$$\times \leq -2$$

$$(-\infty, -2)$$