

Solve and plot  $2x > 6$

1) What's the operation between 2 and  $x$ ? Multiplication

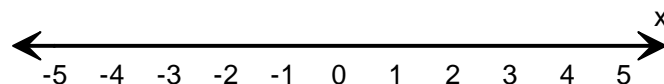
2) What's the inverse of multiplication? Division

3) Setup the division by 2 on both sides:  $\frac{2x}{2} > \frac{6}{2}$

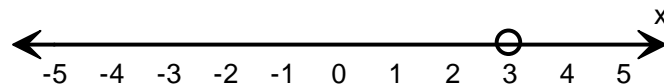
Complete the division:

$$x > 3$$

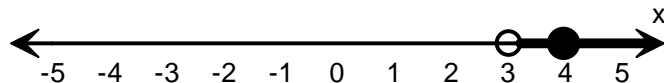
4) Draw a number line:



5) Mark  $x=3$  with an empty point:



6) Shade to the right of 3:



7) Check by using  $x=4$ :  $2(4) > 6$

$$8 > 6 \text{ true}$$