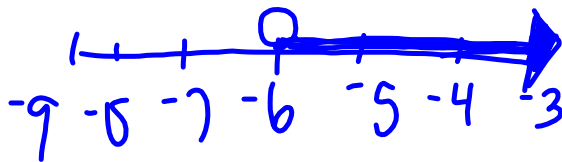


$$y > -6$$

What are 4 possible numbers for "y" ?

Because there are so many possible solutions for inequalities they are usually represented on a number line [Graph]

$y > -6$, $y \in \mathbb{R}$ *belongs to* \leftarrow Real numbers [rational, irrational]



$y = 1, -2, 5, 3, 0.4$

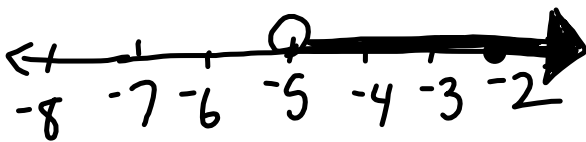
$y \geq -6$, $y \in \mathbb{R}$



$y = -4, 5, -6, 7$

1. Graph each inequality on a number line
2. Write 4 numbers that are solution to the inequality

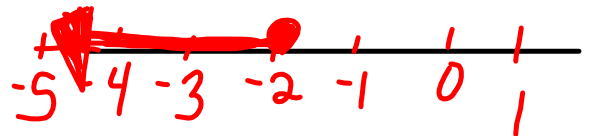
A. $t > -5$



$t = -4, 7, 68, 999.2$

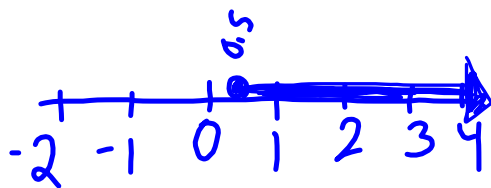
B. $-2 \geq x$

$x \leq -2$



C. $0.5 \leq a$

$a \geq 0.5$



$<$ less than

$>$ greater than

$<$ less

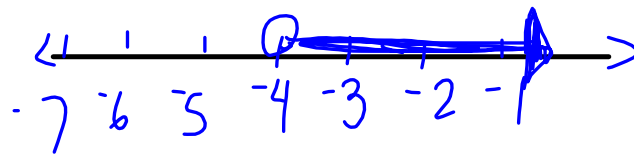
$>$ greater

$$r > -4$$

A. Graph [Draw a number line]

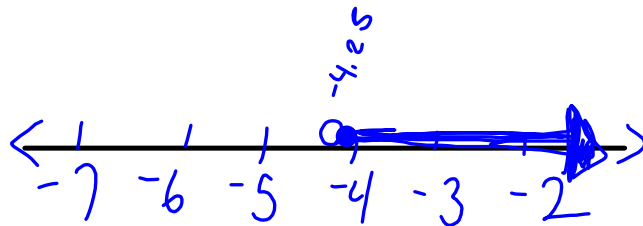
B. Give 4 possible solutions

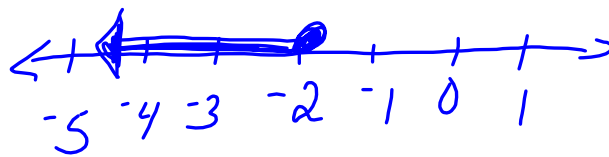
$$r = -3, 64, -2, -1.2$$



$$r > -4\frac{1}{4}$$

$$r > -4.25$$





Write the inequality:

$$\underline{r} \leq -2$$

1. **yes or no**

a) $5 > 2$
Yes

b) $17 < -20$
NO

$-4 > x$

2. Write the inequality for;

a) -4 is greater than X $x < -4$

b) x is less than 2 $x < 2$

Page 292-293

3.a) $5 < 8$ yes

3, 4, 5,

8 [a, c] Let statement

9 [sketch the number line]

12 [all], 13 [a,c,e]

Answers
Page 514

Worksheet...all questions and you can mark on the sheet.