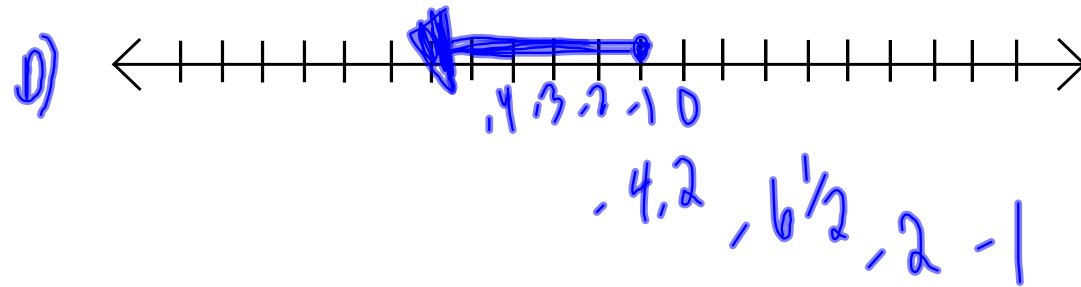
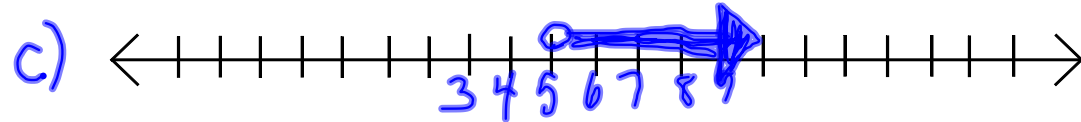
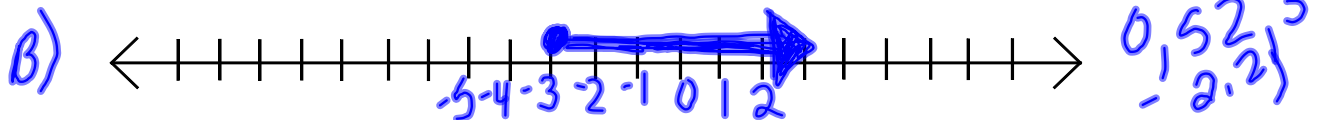
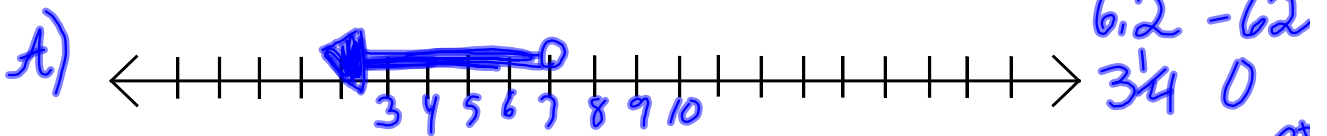




1. Graph

2. State ⁴ values of the variable that satisfy each inequality.

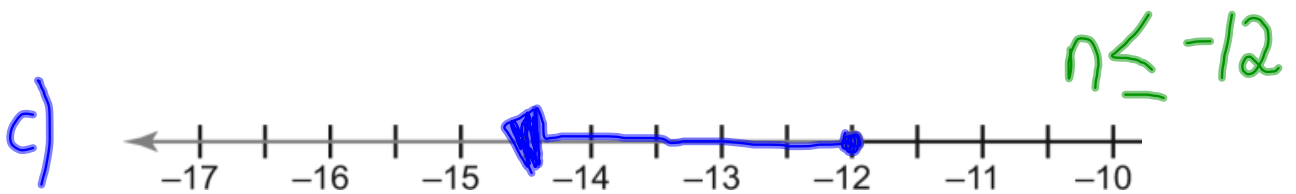
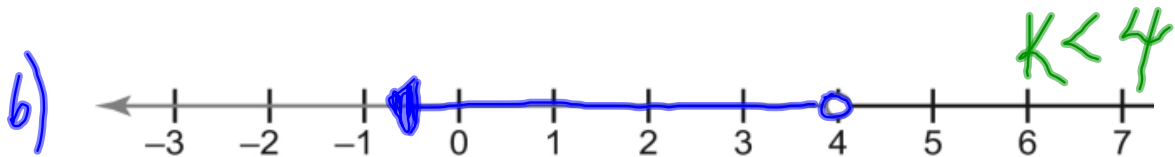
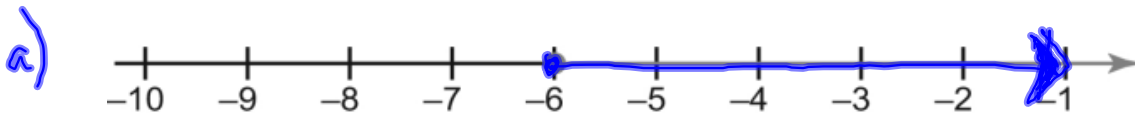
- a) $c < 7$ b) $a \geq -3$ c) $5 < n$ d) $-1 \geq y$



Write an inequality for each of the following:



$$a \geq -6$$

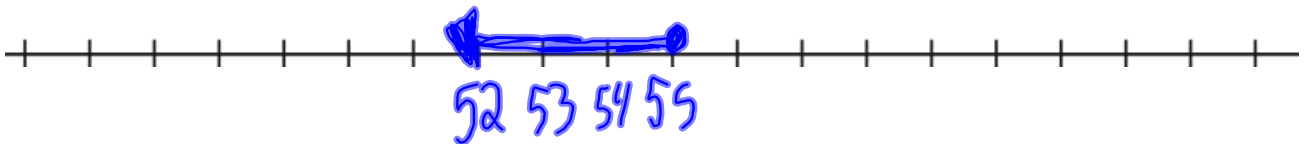


The gas tank in a car contains no more than 55 L of gas



- A) Define the variable
- B) Write the inequality
- C) Graph.

$$d \leq 55$$

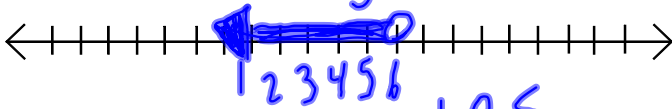


Let " d " represent amount of gas tank will hold

1. Solve
2. Graph
3. Verify

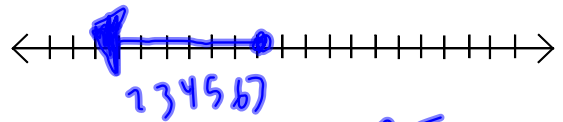


a) $g + 3 < 9$
 $g + 3 - 3 < 9 - 3$
 $g < 6$



LS	RS
$g + 3$	< 9
$0 + 3$	< 9
3	< 9

b) $5 \geq m - 2$
 $5 + 2 \geq m - 2 + 2$
 $7 \geq m$



LS	RS
5	$\geq m - 2$
7	$\geq 0 - 2$
7	≥ -2



c) $2 + y \geq -4$

$$2 - 2 + y \geq -4 - 2$$

$$y \geq -6$$

~~$y \geq -6$~~

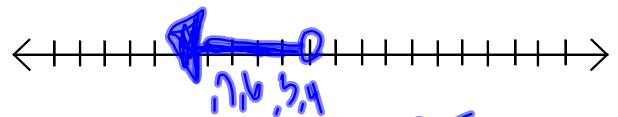


LS	RS
$2 + y$	≥ -4
$2 + 0$	
2	≥ -4

d) $-1 < f + 3$

$$-1 - 3 < f + 3 - 3$$

$$-4 < f$$



LS	RS
-1	$< f + 3$
	$-6 + 3$
	-3

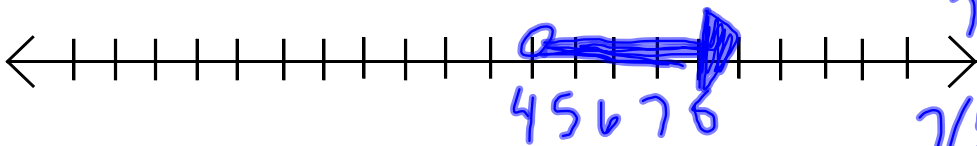
$$7t - 4 > 3t + 12$$

$$7t - 3t - 4 > \boxed{3t - 3t + 12}$$

$$4t - 4 > 12$$

$$4t - 4 + 4 > 12 + 4$$

$$\frac{4t}{4} > \frac{16}{4}$$
$$t > 4$$



- Solve
- Graph
- Verify

LS	RS
$7t - 4$	$3t + 12$
$7(5) - 4$	$3(5) + 12$
$35 - 4$	$15 + 12$
31	27



$$\frac{1}{2} + \frac{4}{7}p > \frac{13}{10}$$

$$\frac{70}{2} + \frac{280p}{7} > \frac{910}{10}$$

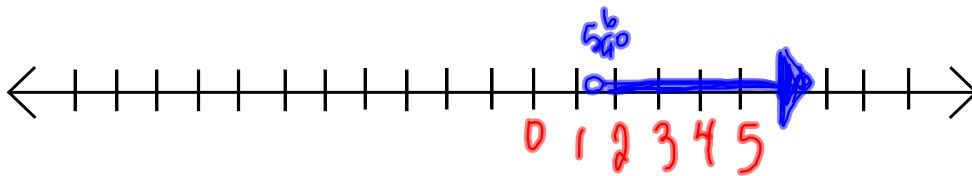
$$35 + 40p > 91$$

$$\boxed{35 - 35} + 40p > 91 - 35$$

$$\frac{40p}{40} > \frac{56}{40}$$

$$p > \frac{56}{40}$$

[1.4]



LS	RS
$\frac{1}{2} + \frac{4}{7}(p)$	$\frac{13}{10}$
$0.5 + 0.571(p)$	1.3
1.6	



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#4 solve, graph, verify
a, c, e

#7 solve then match the graph

#9 solve, graph, verify
all *↳ a, c*

Page 299 #12

