

6.3: Introduction to Linear Inequalities - Worksheet

1. State 3 values of the variable that satisfy each inequality.

a) $c < 7$

6, 5, 4

b) $a \geq -3$

-3, -2, -1

c) $5 < n$

$n > 5$
6, 7, 8

d) $-1 \geq y$

$y \leq -1$
-1, -10, -20

⊗ Rewrite so variable is on the left!

2. Write the inequality that is graphed on each number line.

a)



$x \geq -6$

b)



$y < 4$

c)



$z > 7.5$

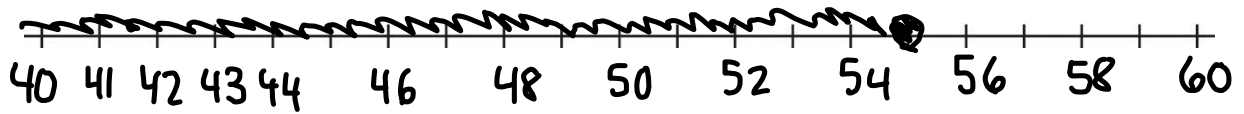
d)



$t \leq -12$

3. Write an inequality to describe each situation, then graph it.

a) The gas tank in a car contains no more than 55 L of gas. $x \leq 55$



b) The minimum age you must be to watch the movie is 13. $a \geq 13$

c)

