

Day 9 HW

Name: \_\_\_\_\_

1.) Solve for  $x$  in the inequality below. Remember to put your answer on a number line

a.  $3x + 2 \geq x - 6$

b.  $-3x - 5 \leq 7$

2.) Solve for  $y$  in each equation below.

a.  $x - 3(y + 2) = 6$

c.  $\sqrt{y - 4} = x + 1$

b.  $\frac{6x-1}{y} - 3 = 2$

d.  $\sqrt{y + 4} = x + 2$