## **Compound Inequalities & Number Lines**

Graph each compound sentence on a number line.

a) x < 5 and  $x \neq 0$ 

b)  $x \leq -8$  or  $x \geq -1$ 

*c*) x < 9 and x > 7

d) x + 5 < 7 or x = 2

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Graph each compound sentence on a number line.

a) 
$$x < 5$$
 and  $x \neq 0$   
-5 4 -3 -2 -1 0 1 2 3 4 5 6 7 8 x  
b)  $x \leq -8$  or  $x \geq -1$   
-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 x  
c)  $x < 9$  and  $x > 7$   
-1 0 1 2 3 4 5 6 7 8 9 10 x  
d)  $x + 5 < 7$  or  $x = 2$ 

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