

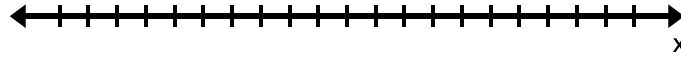


*Sec 1 H Unit 1 Day 6 - Solving Absolute Value Inequalities Assignment*

Solve the following and graph the solutions on the number line.

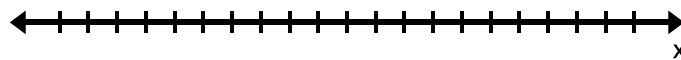
**Then write a compound inequality to represent the graph.**

1.  $|x - 4| = 10$



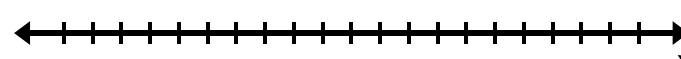
equality:

2.  $|x + 7| = 14$



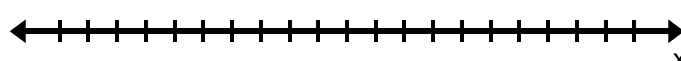
equality:

3.  $|x + 7| < 14$



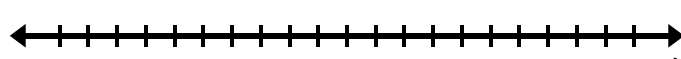
inequality:

4.  $|x + 7| \geq 14$



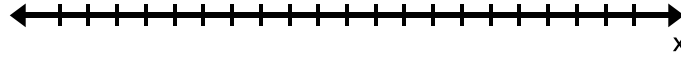
inequality:

5.  $|x - 8| + 4 \leq 5$



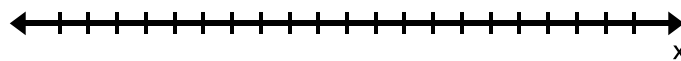
inequality:

6.  $|x - 5| - 3 > 6$



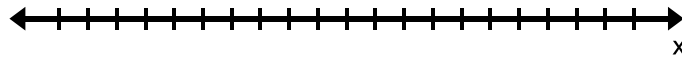
inequality:

7.  $6|x - 6| \geq 66$



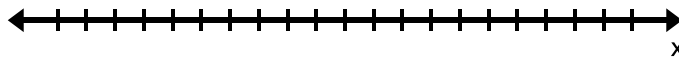
inequality:

8.  $1 + |x - 8| > 3$



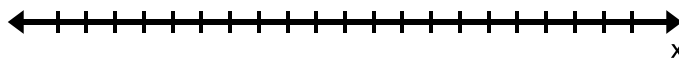
inequality:

9.  $3|x - 4| > 6$



inequality:

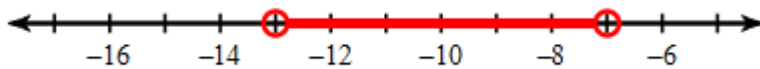
10.  $4|x - 3| - 7 \leq 1$



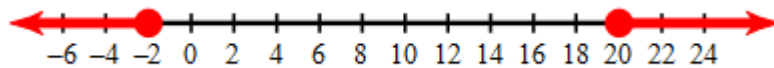
inequality:

Write the compound inequality represented by the graph.

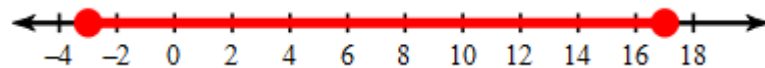
11.



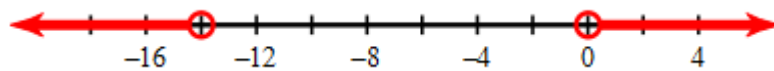
12.



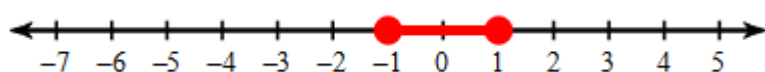
13.



14.



15.



**Mistakes  
Are  
Treasured  
Here**