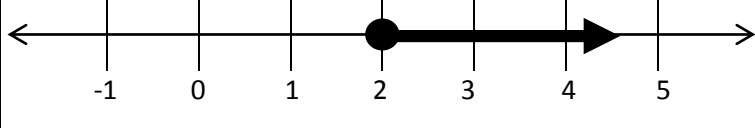
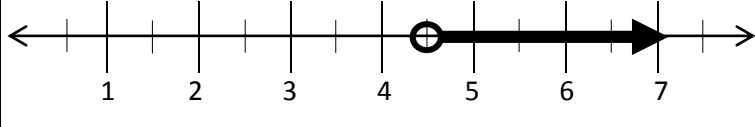
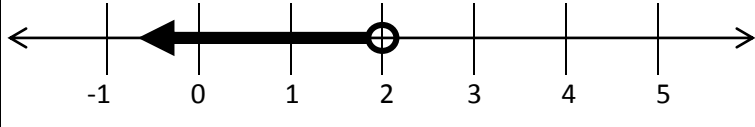


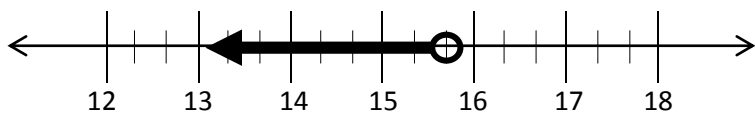
NAME _____ DATE _____ PERIOD _____

Directions: If given the inequality, solve and graph the solution set. If given the graph of the solution set, write a possible inequality.

Inequality	Graph
$a + 5 \leq 13$	
$m - 9 < -4$	
$-1 + b \geq 10$	
$16 < n - 2$	

Decide if the following solution is correct or incorrect. Justify your answer.

$$x - 2\frac{1}{3} \leq 13\frac{1}{3}$$



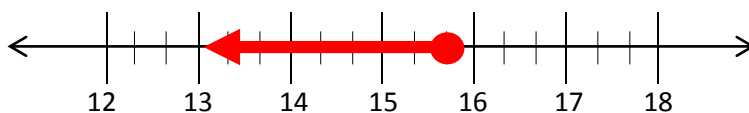
ANSWER KEY (All answers may vary.)

Inequality	Graph
$a + 5 \leq 13$ $a \leq 8$	
<p>Answers will vary.</p> $x \geq 2$	
$m - 9 < -4$ $m < 5$	
<p>Answers will vary.</p> $x > 4.5$	
$-1 + b \geq 10$ $b \geq 11$	
<p>Answers will vary.</p> $x < 2$	
$16 < n - 2$ $18 < n$	

Decide if the following solution is correct or incorrect. Justify your answer.

$$x - 2\frac{1}{3} \leq 13\frac{1}{3}$$

$$x \leq 15\frac{2}{3}$$



The graph does not represent the correct solution to the inequality. The circle should be closed, instead of open.