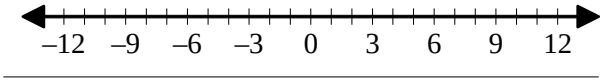
NAME:_____

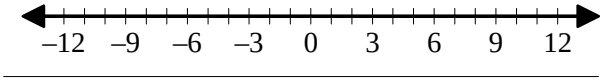
P.I. A.A.24: Solve linear inequalities in one variable

Graph:

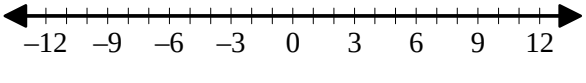
1. $x - 8 < -11$

[1] 

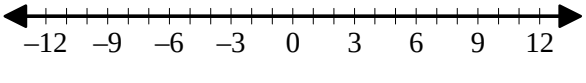
2. $x + 2 < 8$

[2] 

3. Solve and graph the solution: $x + 9 \geq 14$

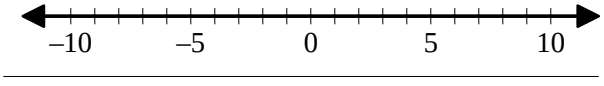
[3] 

4. Solve and graph the solution: $x + 4 < 11$

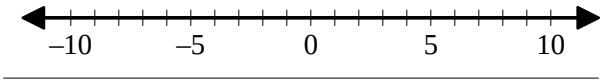
[4] 

Graph:

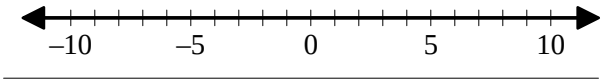
5. $x + 3 \leq 6$ and $-10x < 30$

[5] 

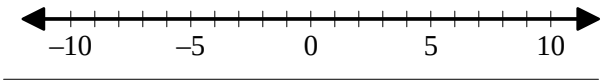
6. $x + 5 \leq 7$ and $-6x < 24$

[6] 

7. $x + 5 \leq 6$ and $-6x < 24$

[7] 

8. $x + 3 \leq 4$ and $-5x < 10$

[8] 

9. Solve: $3x \geq 27$

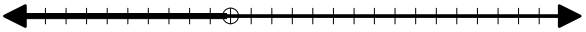
[A] $x \geq 9$ [B] $x \leq 9$

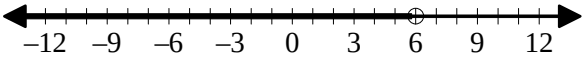
[C] $x \geq 24$ [D] none of these

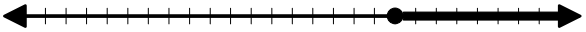
[9] _____

10. Use a calculator to solve and check the inequality.
$-1.6(x + 2) \leq 9.8$

[10] _____

[1] 

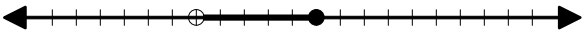
[2] 

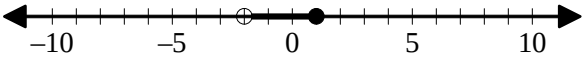
[3] 

[4] 

[5] 

[6] 

[7] 

[8] 

[9] A

[10] $x \geq -8.125$