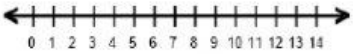
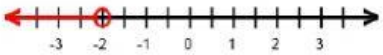
M3 Worksheet

I - ____
II - ____
III- ____

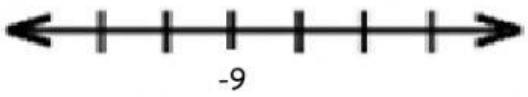
Nickname: _____ #: ___ Class: ____ Date: _____

I. A. Match the definitions in Column A with the correct answer in Column B. Write the letter of your answer on the space provided.

A	B
_____ 1. 	a. hollow dot
_____ 2. $\leq$	b. 
_____ 3.	c. right
_____ 4. $>$	d. number line
_____ 5.	e. greater than or equal to
_____ 6. $<$	f. less than
_____ 7. $\geq$	g. less than or equal two
_____ 8. Greater than means to the _____.	h. solid dot
_____ 9. Less than means to the _____.	i. left
_____ 10. $y < -2$	j. greater than

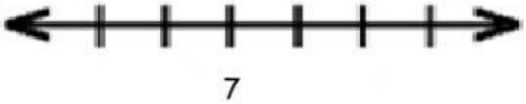
II. A. GRAPH the linear inequalities given below then write its solution in interval notation.

1 - 3) $a > -9$



Solution Set: _____

4 - 6) $b < 7$



Solution Set: _____

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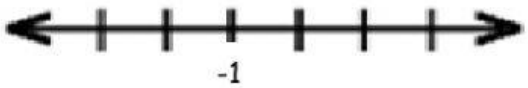
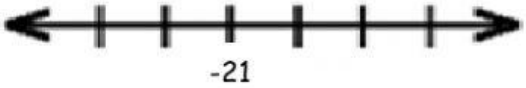
7 - 9) $k \leq -1$



Solution Set: _____

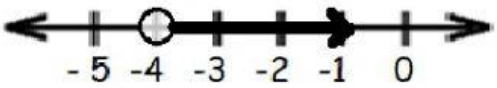
10 - 12) $p \geq -21$



Solution Set: _____

B. Write an INEQUALITY and SOLUTION for each given.

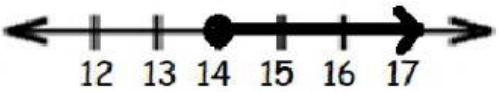
13 - 14)



Inequality: _____

Solution Set: _____

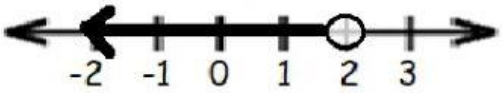
15 -16)



Inequality: _____

Solution Set: _____

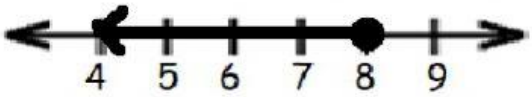
17 - 18)



Inequality: _____

Solution Set: _____

19 -20)



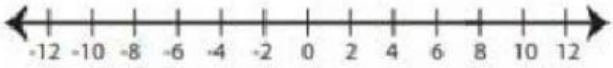
Inequality: _____

Solution Set: _____

III. Solve, graph then write the solution of the given inequality.

1 - 3)

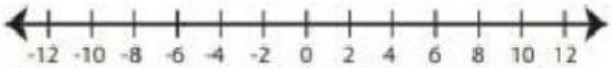
1) $x + 1 < 9$



Solution Set: _____

4 - 6)

2) $9x \leq 54$



Solution Set: _____

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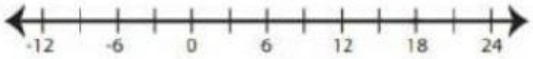
7 - 10)

3) $\frac{x}{3} \geq 6$



Solution Set: _____

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