

M3 Worksheet

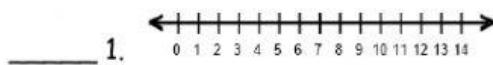
I -	_____
II -	_____
III -	_____

Nickname: _____ #:

Class: _____ Date: _____

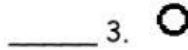
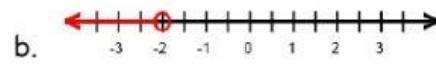
I. A. Match the definitions in Column A with the correct answer in Column B. Write the letter of your answer on the space provided.

A



B

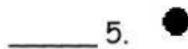
a. hollow dot



c. right



d. number line



e. greater than or equal to



f. less than



g. less than or equal two

_____ 8. Greater than means to the _____.

h. solid dot

_____ 9. Less than means to the _____.

i. left

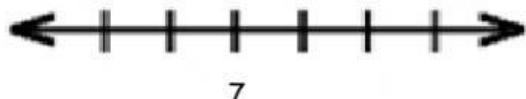
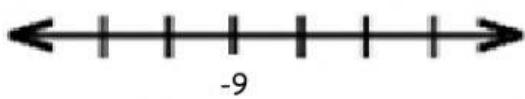
_____ 10. $y < -2$

j. greater than

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

1 - 3) $a > -9$

4 - 6) $b < 7$



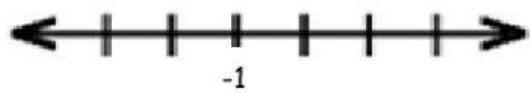
Solution Set: _____



Solution Set: _____

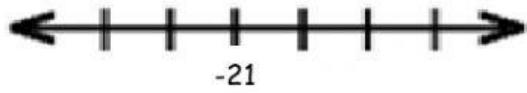


7 - 9) $k \leq -1$



Solution Set: _____

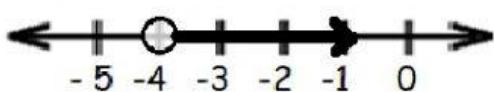
10 - 12) $p \geq -21$



Solution Set: _____

B. Write an INEQUALITY and SOLUTION for each given.

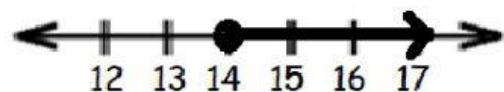
13 - 14)



Inequality: _____

Solution Set: _____

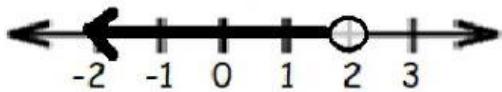
15 - 16)



Inequality: _____

Solution Set: _____

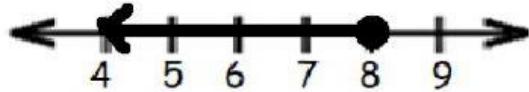
17 - 18)



Inequality: _____

Solution Set: _____

19 - 20)



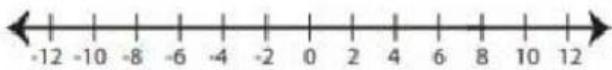
Inequality: _____

Solution Set: _____

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

1 - 3)

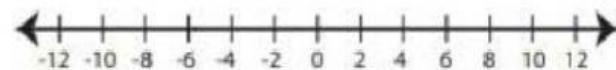
1) $x + 1 < 9$



Solution Set: _____

4 - 6)

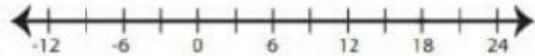
2) $9x \leq 54$



Solution Set: _____

7 - 10)

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



Solution Set: _____