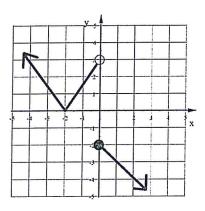
1. For the graph below use inequalities to state the Domain, Range, Intervals of Increasing, and Intervals of Decreasing.

Domain:

Range:

Inc:

Dec:



2. Solve this equation for R. State restrictions on the variables.

$$\frac{\sqrt{KR-M}}{A}-B=G$$

R =

Restrictions:

3. Solve this system of equations:

$$4x - 3y = -17$$

$$5x + y = -7$$

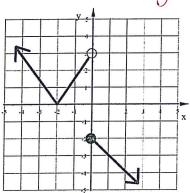
Give your answer as an ordered pair.

Monday, September 14, 2015 Algebra 2 Bellwork

ANSWERS

1. For the graph below use inequalities to state the Domain, Range, Intervals of Increasing, and Intervals of Decreasing.

Domain:



2. Solve this equation for R. State restrictions on the variables.

$$\frac{\sqrt{KR - M}}{A} - B = G$$

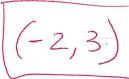
$$R =$$

$$R = \frac{\left[A(G+B)\right]^2 + M}{K}$$

Restrictions:

3. Solve this system of equations: 4x - 3y = -17Give your answer as an ordered pair.

$$5x + y = -7$$



ELIMINATION

$$4x-3y=-17$$

 $3(5x+y=-7)$

$$+\frac{4x-3y=-17}{15x+3y=-21}$$

$$+\frac{15x+3y=-21}{19x=-38}$$

$$X = -2$$

$$(y=3)$$

SUBSTITUTION

$$y = -7 - 5x$$

y = -7-5x now substitute into ISTEG

$$4x - 3(-7 - 5x) = -17$$

$$4x + 21 + 15x = -17$$

$$(X = -2)$$