TEST 01 REVIEW

1) Graph $y + 3 = 0$ $2y + 2x = 3$

2) Given $f(x) = x^2 + 5x + 3$

Evaluate: $f(0)$ $f(1)$ $f(-1)$ $f(3)$

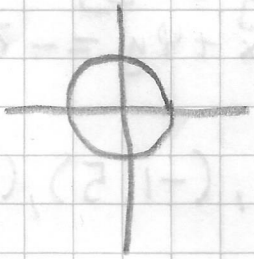
3) When I first installed DirecTV the cost was $19.63 per month plus $250 for the satellite dish and receiver. Write an equation in slope-intercept form to evaluate my costs after x months.

4) Sketch a line with negative slope and the origin as a y-intercept

5) Is the graph a function

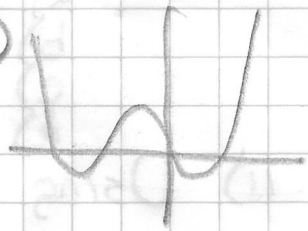
a)

b)



c)

d)



6) Graph $y = \frac{2}{3}x + 2$ $y = -\frac{1}{3}x - 1$

7) Find the Equation of the line through
$(-2, -6)$ and $(-7, 0)$

8) Graph the line through $(1, 2)$ with slope $-2$

9) Write in slope-intercept form the equation of the lines through $(9, 10)$, $(9, -4)$

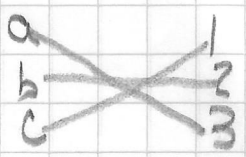
10) Write the equation of the line through $(-3, 8)$

a) Parallel to $-3x + 4y = -23$
b) Perpendicular to $-3x + 4y = -23$
c) Horizontal
d) Vertical

11) Using the relation: $\{(-8, 2), (-1, 5), (-8, 8), (4, 7), (9, 7)\}$

a) find the domain
b) find the range
c) is the relation a function

12)




Is the relation a function?

13) Given $-2x + 4y = 16$
find the x-intercept and y-intercept.

14) Determine if $3x - 6y = 10$ & $18x + 9y = 13$ are parallel, perpendicular or neither.