

Name: _____

Date: _____

Teacher: A. Zito

Math 4 CST: Review Worksheet 1.1

1- Solve the following equations.

a) $(3) 2x - 5(-4x) - 3 + 2 = 3(x + 1) - (x - 2)(4) - 48$

b) $3(x - 2)(x - 1) - 30 = 3x^2 + 2x + 25$

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b) $3(x - 2)(x - 1) - 30 = 3x^2 + 2x + 25$

2- Determine the slope of the line passing through the following two points.

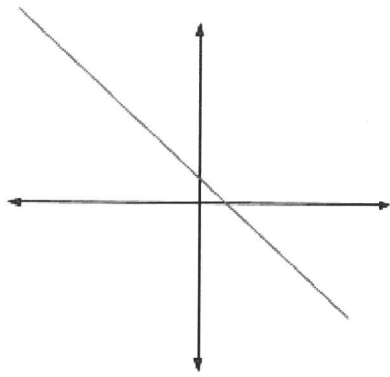
a) $A(3, -4)$, $B(7, -16)$

b) $A(-2, 1)$, $B(5, -48)$

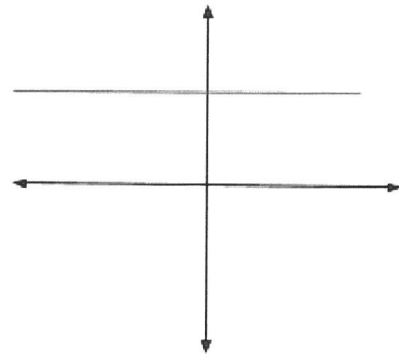
c) $A(-8, 3)$, $B(-6, 19)$

3- Determine if the slope of the following functions are positive or negative zero or undefined.

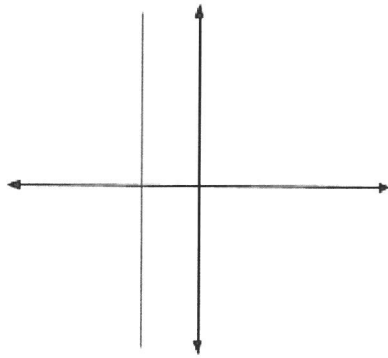
a)



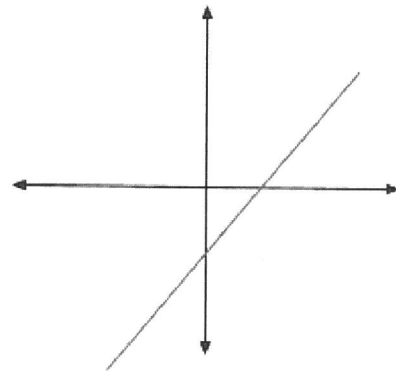
b)



c)



d)



4- Determine the x and y intercept of the following function.

a) $y = -2x + 3$

b) $-12x + 4y = 20$

c) $-4x - 7y + 15 = x - 4y + 2y - 10$

5- Find the equation of the line passing through the following two points.

a) $A(13, -7), B(6, -49)$

b) $A(-1, -5), B(-3, -29)$

c) $A(-7, 4), B(-2, -51)$