

****DUE BY 6/6/18 NO EXCEPTIONS*******EXTRA CREDIT - Will Replace Your Lowest Weekly Grade*****Must Show All Work For Full Credit****There are more questions on the back!**

1) Solve for x: $3(x - 2) - 2x = 4x + 9$

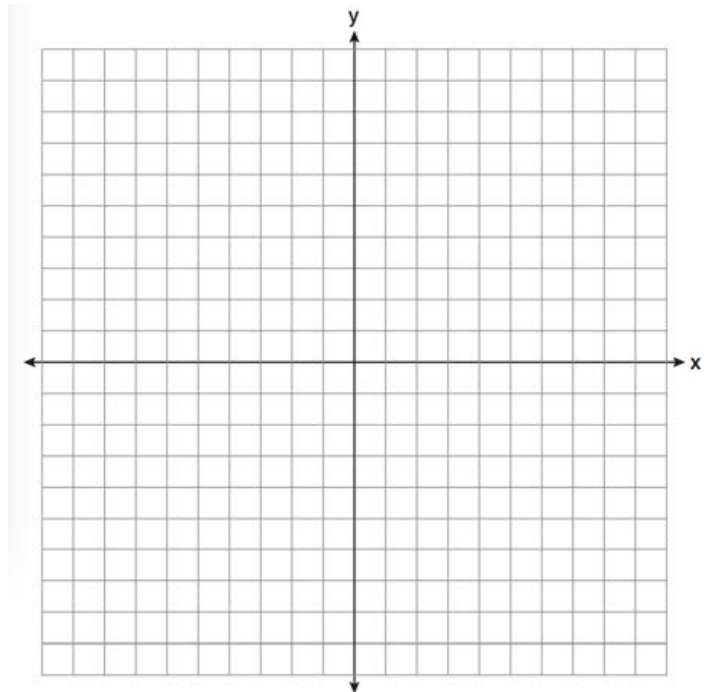
(Notes #8)

2) Solve the following system of equations graphically for x and y:

(Notes #104)

$$y = x^2 + 2x - 1$$

$$y = 3x + 5$$



3) COMPLETELY FACTOR the following:

(Notes #79-83)

$$3y^2 + 18y + 24$$

4) Jason buys a new motorcycle for \$3000. The value of the motorcycle depreciates by 12% each year. What is the value of the motorcycle *to the nearest cent* after 4 years? (Notes #59)

5) Graph the following system of inequalities on the graph below:

(Notes #49-50)

$$y \geq -x + 3$$

$$5x - 2y > 10$$

