Name: _____

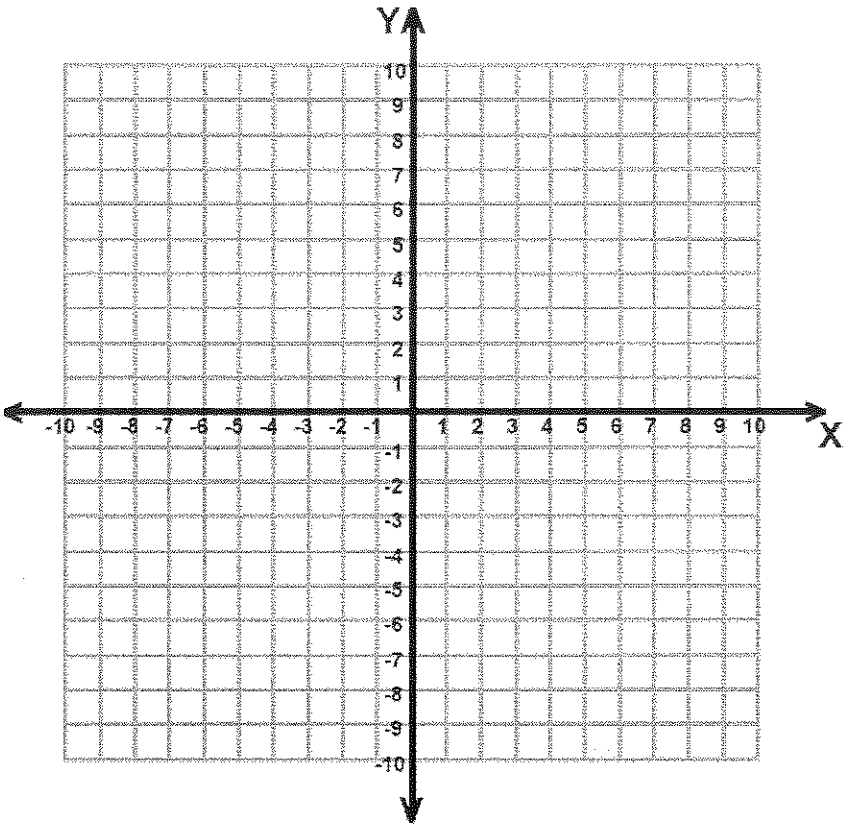
Hour: _____ Calculator Number: _____

6- 12 On the graph paper, plot the following shapes.

Shape A is a triangle with vertices (1, 1) (3, 3) and (2, 4).

Shape B is a square with vertices (2, -1) (4, -1) (2, -3) and (4, -3).

Shape C is a rectangle with vertices (-3, 1) (-3, 4) (-1, 4) and (-1, 1).



6- 13 Shape D is a triangle. Translate triangle A four units right and three units up. Write the new coordinates of Triangle D.

(,)

(,)

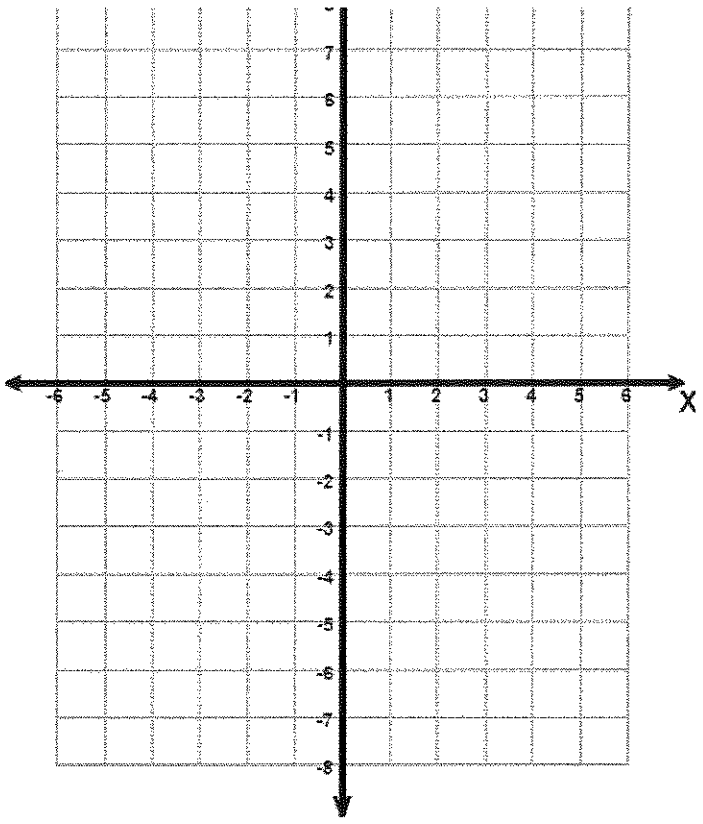
(,)

6- 14 Graph each of the equations on the same set of axes to find the intersection point.

$y = 2x + 3$

$y = x + 1$

Then use the equal values to method to find the intersection point. (,)



_____ = _____

6-15

Yes / No they should / shouldn't expect to win the cash for the school, she will make about _____ baskets.

6-16

a.

Figure 1

Figure 2

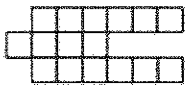
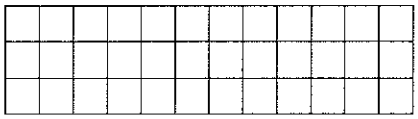


Figure 3



b. Figure 10 has _____ tiles, because _____

_____.

6-17 Frank weighs 160 pounds and is on a diet to gain two pounds a week so that he can make the football team. John weighs 208 pounds and is on diet to lose three pounds a week so that he can be on the wrestling team in a lower weight class. If Frank and John can meet these goals with their diets, when will they weigh the same, and how much will they weigh? Write an equation for each person and use the equal values method to find your answer.

In _____ weeks, they will both weigh _____ pounds.