

NAME:

DATE:

A2.Q1.BERMEL/LEMBO:

SYSTEMS OF EQUATIONS

(DAY S3)

NOTES

1. Which of the following are solutions to the system of equations? $y + x^2 - x = 0$
 $x + y = -3$

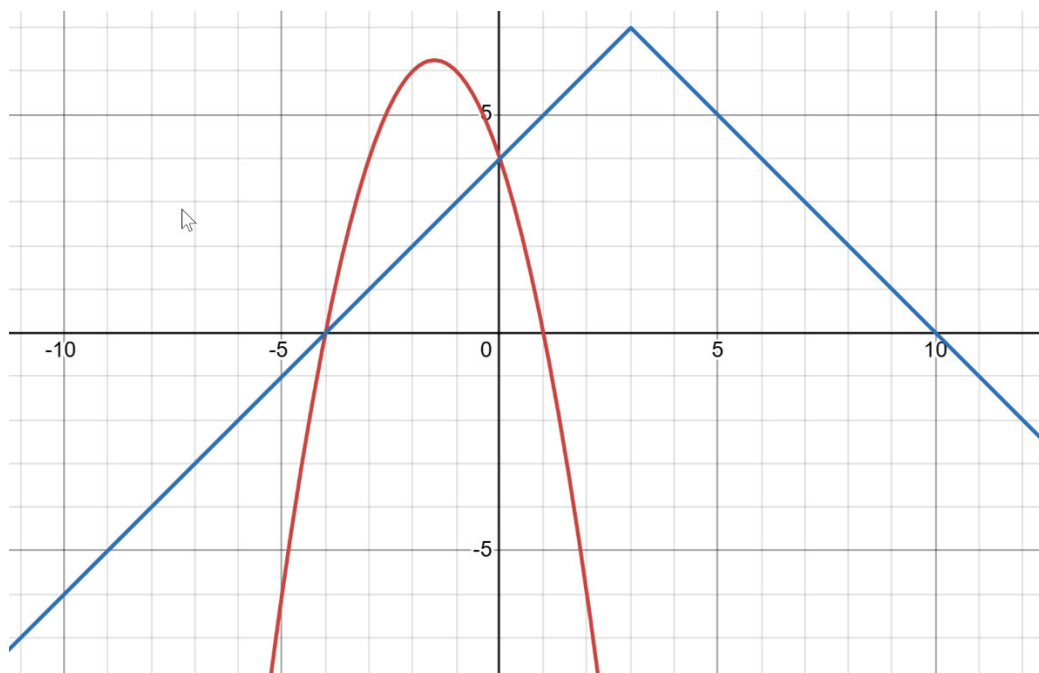
$(0,0)$ $(1,0)$ $(3,-6)$ $(2,-2)$ $(-1,-2)$

Justify your answer by showing the computations.

2. Solve the system of equations using the method of **graphing**. The graph is given.

$$y = -x^2 - 3x + 4$$

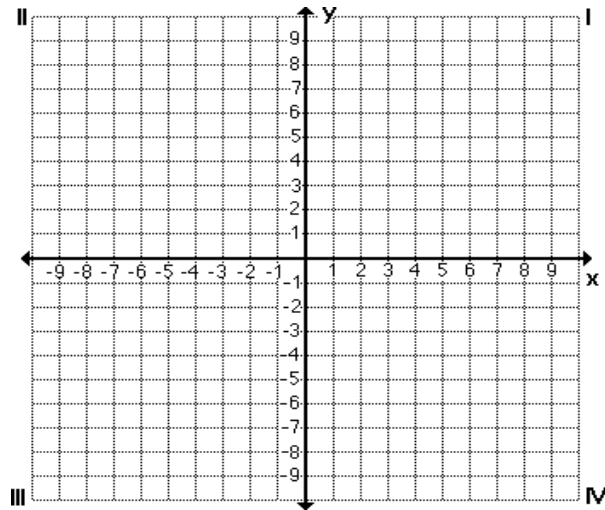
$$y = -|x - 3| + 7$$



3. Solve the system of equations using the method of **graphing**.

$$y = 3x - 3$$

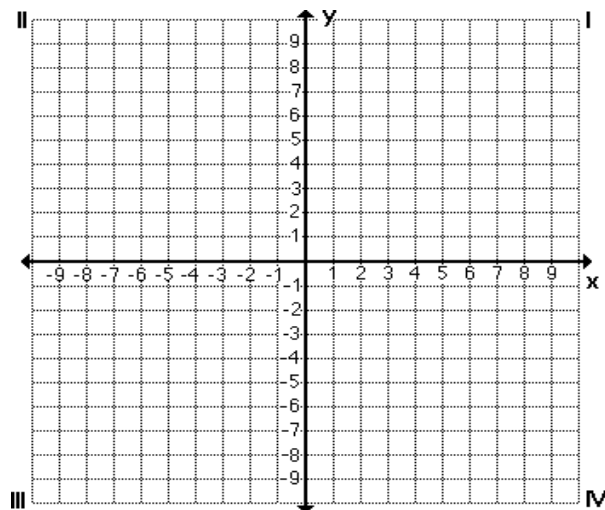
$$y = -\frac{1}{2}x + 4$$



4. Solve the system of equations using the method of **graphing**.

$$y = \frac{2}{3}x - 3$$

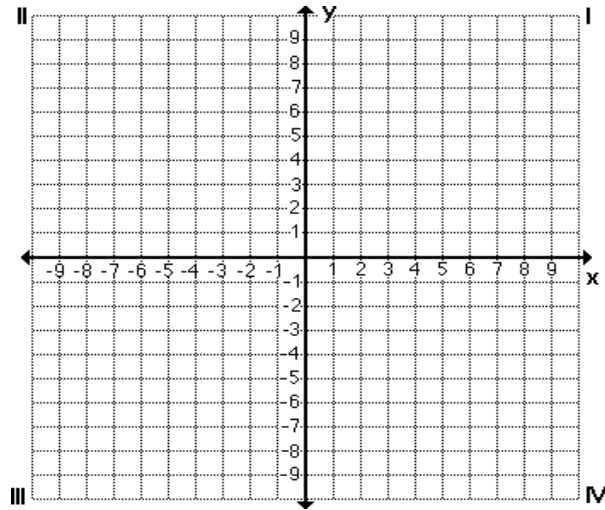
$$y = -x + 2$$



5. Solve the system of equations using the method of **graphing**.

$$f(x) = x - 4$$

$$g(x) = 2|x - 3| - 4$$



6. Solve the system of equations using the method of **graphing**.

$$y = \frac{1}{3}x - 1$$

$$y = -|x - 2| + 5$$

