

Ready, Set, Go!



© 2012 www.flickr.com/photos/dugspr

Ready

Topic: Determine if given value is a solution and solve systems of equations

Determine which ordered pair satisfies the system of linear equations, then graph both equations and show the point of intersection to the right of the problem. Be sure to label axes and provide a scale.

1. $y = 3x - 2$ and $y = -x$

a. (1, 4)

b. (2, 9)

c. $(\frac{1}{2}, \frac{-1}{2})$

2. $y = 2x - 3$ and $y = x + 5$

a. (8, 13)

b. (-7, 6)

c. (0, 4)

Solve the following systems by graphing. Check the solution by evaluating both equations at the point of intersection.

3. $y = x + 3$ and $y = -2x + 3$

4. $y = 3x - 6$ and $y = -x$



Set

Topic: Determine possible solutions

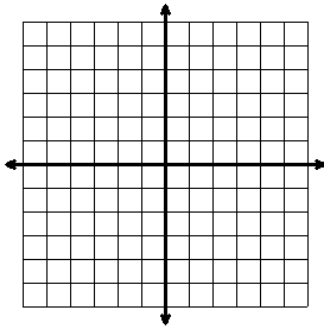
5. A theater wants to take in at least \$2000 for a certain matinee. Children's tickets cost \$5 each and adult tickets cost \$10 each. The theater can seat up to 350 people. Find five combinations of children and adult tickets that will make their goal.

Go

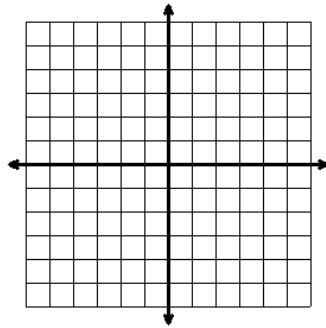
Topic: graph linear equations and determine if a given value is a solution

Graph each equation below, then determine if the point (3,5) is a solution to the equation. Find two other points that are solutions to the equation and show these points on the graph.

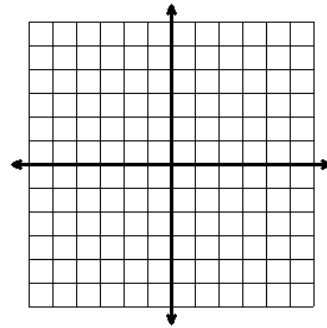
6. $y = 2x - 1$



7. $y = \frac{1}{3}x + 2$



8. $y = -3x + 5$



Need help? Check out these related videos:

<https://www.youtube.com/watch?v=vo-CXaCf1I4>

