

Lesson 12.2: Graphing Solutions to Equations

Targets

1. I can determine if an ordered pair is a solution to an equation.
2. I can read a graph to determine the relationship between the y variable and the x variable.

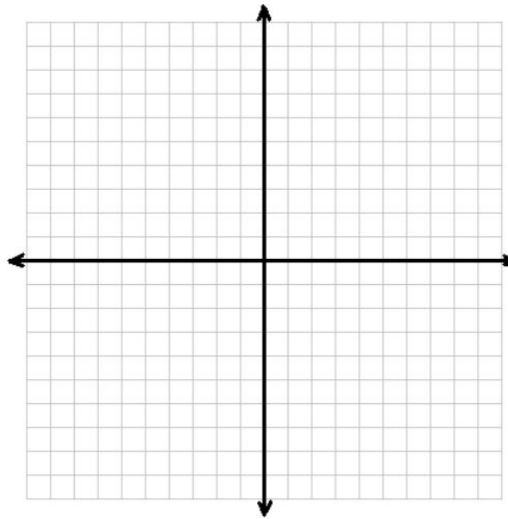
Ordered Pair Solutions to Equations

First attempt this problem on your own. Then watch the video and copy his notes.

- *Is $(3,-4)$ a solution to the equation $5x + 2y = 7$?*
- *Use the graph if helpful.*

Your attempt:

Video Notes:



Khan Activity: Ordered Pair Solutions to Linear Equations

Complete this activity on Khan.

Checking Ordered Pair Solutions to Equations (Example 1)

First attempt this problem on your own. Then watch the video and copy his notes.

- *Which of the ordered pairs is a solution of the following equation? $-3x - y = 6$*
 - *Only $(-4,4)$*
 - *Only $(-3,3)$*
 - *Both*
 - *Neither*

Your attempt:

Video Notes:

Khan Activity: Checking Solutions to Two-Variable Linear Equations

Complete this activity on Khan.

Interpreting Linear Graphs Word Problems (Example 1)

Watch this video and take notes here. Make sure to make a copy of all the examples that Khan draws and write down the relationship between the variables.

Demand and Price Graph

Demand and Population Graph

y and x Graph

b and a Graph

Khan Activity: Interpreting Linear Relationships

Complete this activity on Khan.

Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
 - a. Ordered Pair Solutions to Linear Equations
 - b. Checking Solutions to Two-Variable Linear Equations
 - c. Interpreting Linear Relationships