

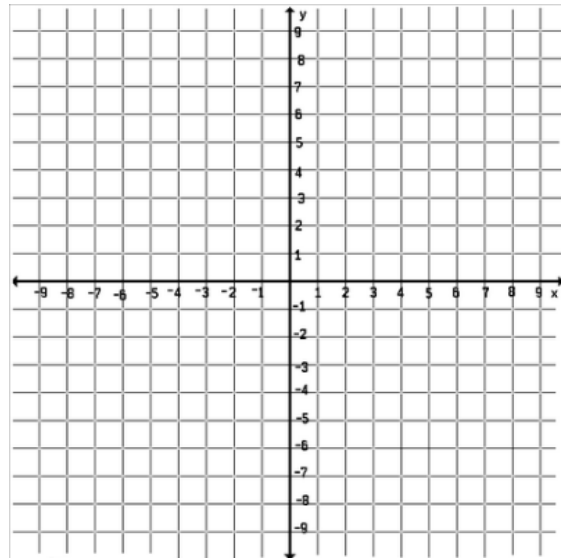
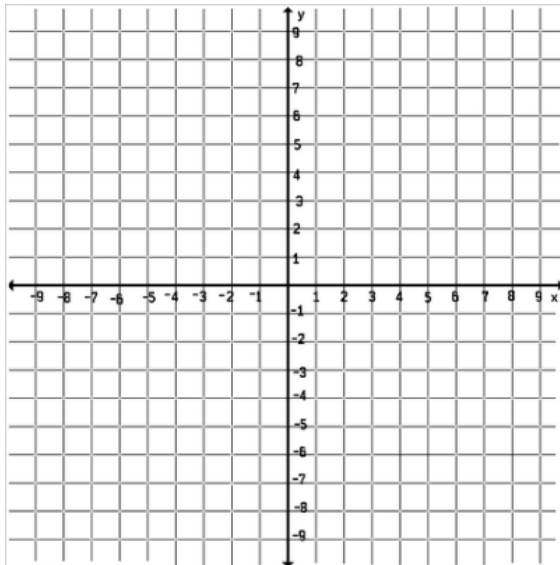
# Lesson 3.1: Coordinate Plane Review

## Targets:

1. I understand how to plot points on a coordinate plane.
2. I understand how to graph lines on a coordinate plane.
3. I understand how to write equations for lines on a coordinate plane.

## Part 1: Points on the Plane

1. Graph these points on the plane below  
(2, 2), (4, 6), (0, -2), (3, 4), (0, -2)
2. Graph these points on the plane below  
(-3, -3), (9,1), (3, -1), (6, 0), (0, -2)



### Khan Academy Activity: “Graphing Points”

Go to Khan Academy and complete the “Graphing Points” activity. Make sure you are signed in to Khan when you complete this activity.

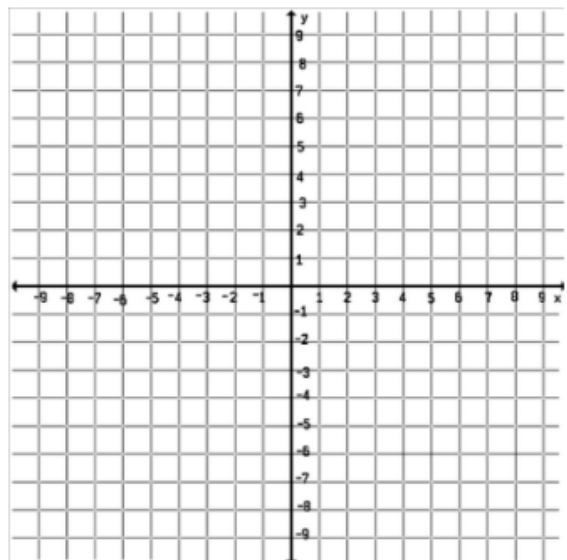
### Khan Academy Activity: “Coordinate Plane Word Problems in the First Quadrant”

Go to Khan Academy and complete the “Coordinate Plane Word Problems in the First Quadrant” activity. Make sure you are signed in to Khan when you complete this activity.

## Part 2: Lines on the Plane

Graph the following equations on the coordinate plane:

1.  $y = \frac{1}{4}x + 3$
2.  $10x + 5y = 30$



**Khan Academy Activity: “Graph from slope-intercept equation”**

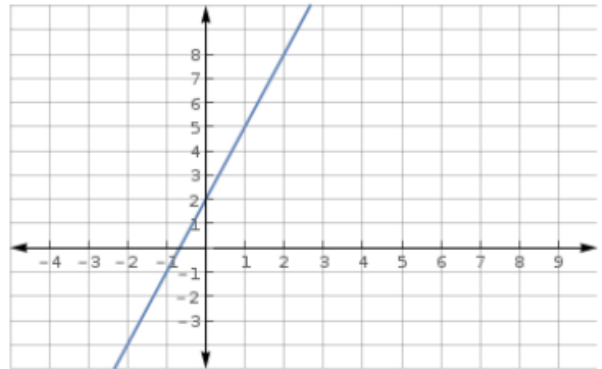
Go to Khan Academy and complete the “Graph from slope-intercept equation” activity. Make sure you are signed in to Khan when you complete this activity.

**Khan Academy Activity: “Graph from a standard form equation”**

Go to Khan Academy and complete the “Graph from a standard form equation” activity. Make sure you are signed in to Khan when you complete this activity.

**Part 3: Equations on the Plane**

1. Write the equation that fits the graph of the line.



**Khan Academy Activity: “Slope-intercept equation from a graph”**

Go to Khan Academy and complete the “Slope-intercept equation from a graph” activity. Make sure you are signed in to Khan when you complete this activity.

**Exit Ticket**

You need to have all 5 Khan Academy Activities completed from this lesson:

- \_\_\_\_: Graphing Points
- \_\_\_\_: Coordinate Plane Word Problems in the First Quadrant
- \_\_\_\_: Graph from slope-intercept equation
- \_\_\_\_: Graph from a standard form equation
- \_\_\_\_: Slope-intercept equation from a graph