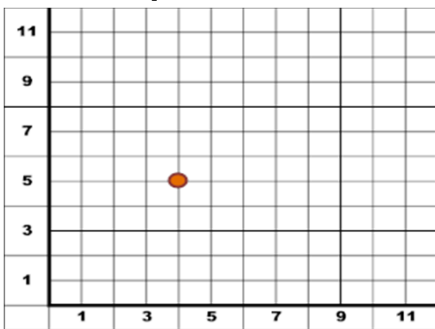


You'll need Graph Paper, which is available at MasterMath: towards top of Lessons Page, download and print Supplies - Plain Graph Paper.

1. You know a point on a straight line, and the line's slope. Determine the equation for the line.

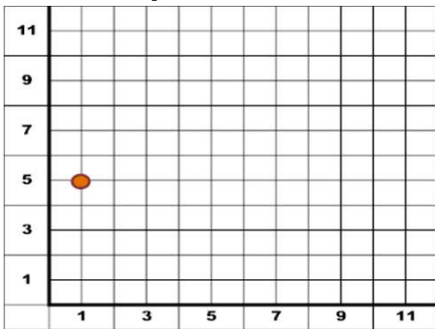
Point	Slope	Equation
(6, 3)	2	$y = 2x - 9$
(2, 8)	-3	$y = -3x + 14$
(4, 5)	.5	$y = .5x + 3$
(6, 7)	2.5	$y = 2.5x - 8$

2. Write an equation for a line with a slope of 3 that goes through this point.



$y = 3x - 7$

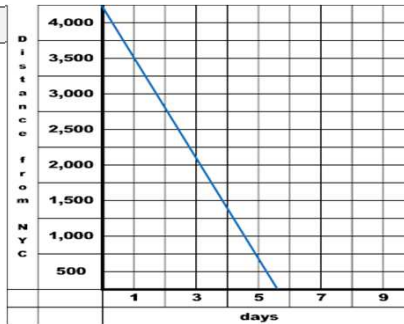
3. Write an equation for a line with a slope of -1/2 that goes through this point.



$y = *1/2x + 7$

Questions 4 - 6 refer to this graph

A cruise ship leaves Stockholm heading for New York City. This graph shows the distance from NYC after each day.



4. Interpret the y Intercept and the x Intercept

x intercept  
y intercept

Number of days to get to Stockholm
Distance to Stockholm

5. What is the slope?

-818

6. What does the slope represent in this situation?

Distance traveled per day