

MasterMath

Name _____

Writing Equations Using a Point and a Slope

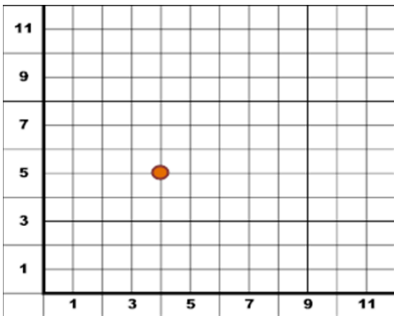
Date _____

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

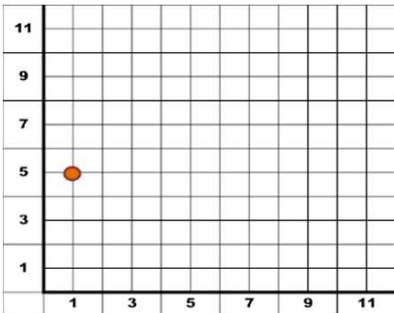
1. You know a point on a straight line, and the line's slope. Determine the equation for the line.

Point	Slope	Equation
(6, 3)	2	
(2, 8)	-3	
(4, 5)	.5	
(6, 7)	2.5	

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

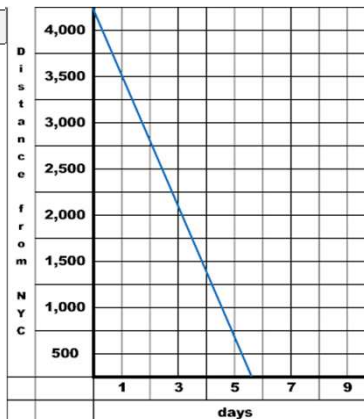


3. Write an equation for a line with a slope of $-1/2$ that goes through this point.



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

5. What is the slope?

6. What does the slope represent in this situation?