

# Algebra II

3-1

Slope

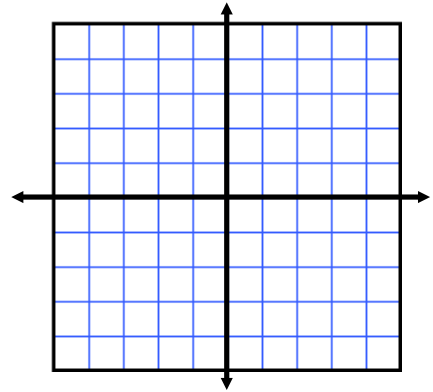
Slope -

Positive Slope -

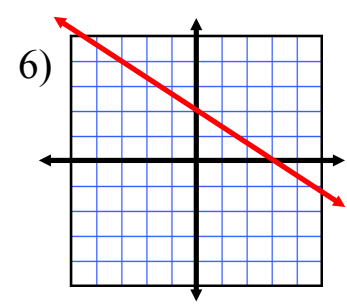
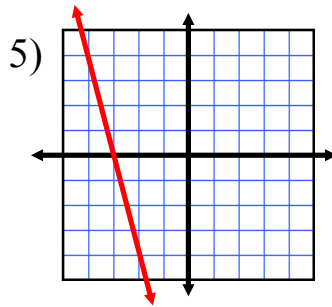
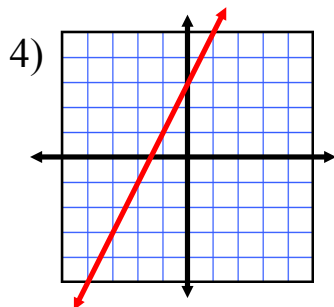
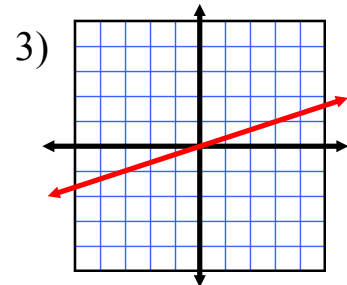
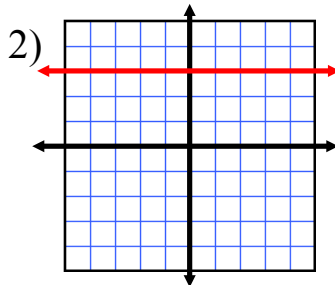
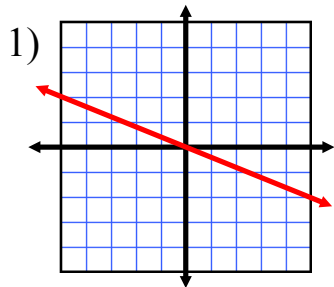
Negative Slope -

Zero Slope -

No Slope -



Give the slope of each line shown.



Oral Exercises  
pg 115

Find the slope of the line containing the given points. (pg 116)

If the line has no slope, write, "vertical".

1)  $(3,1), (5,5)$

**#1 KEY CONCEPT IN ALL OF ALGEBRA**

Slope / Intercept Form of a Line -

Find the slope of each line. (pg 116)

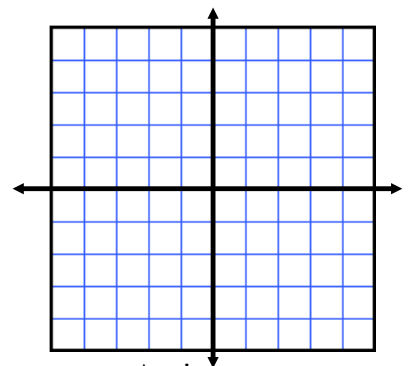
13)  $x + y = 7$

19)  $x = 3y + 2$

Graph the line through point  $P$  having slope  $m$ .

~~Find the coordinates of two other points on the line.~~

25)  $P(0,2), m = 1$



Assignment:

Find the value of  $k$  so that the given line has slope  $m$ .

39)  $kx - 3y = 7, m = 2$

Pg. 116  
2-46 even, 33, 35  
(8 Graphs)

Need: 1 Sheet of Graph Paper