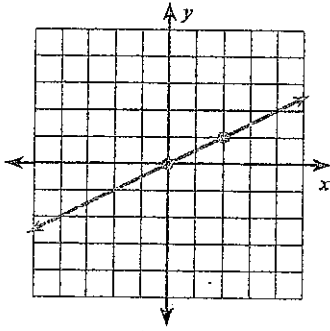


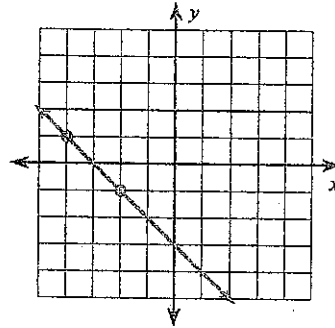
Finding Slope From a Graph

Find the slope of each line.

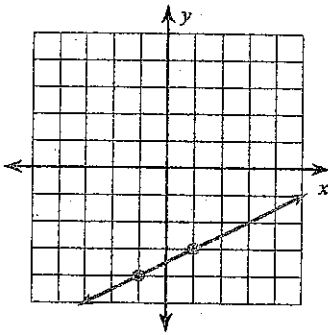
1)



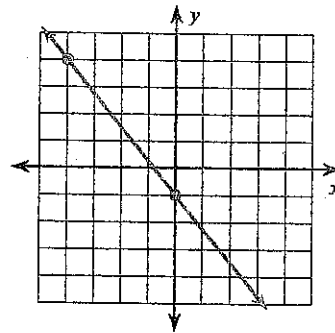
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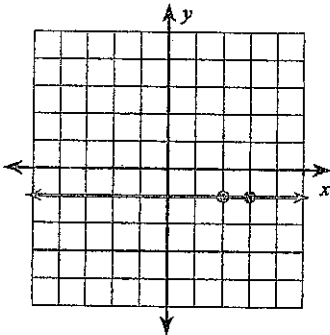
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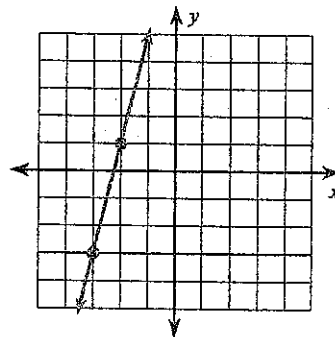
4)



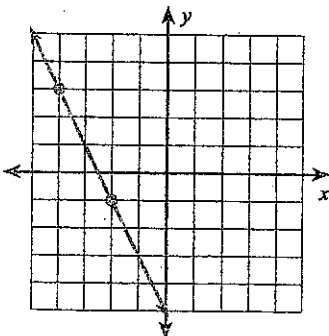
5)



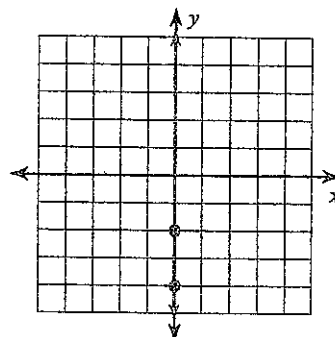
6)



7)



8)



Finding Slope From Two Points

Find the slope of the line through each pair of points.

1) $(19, -16), (-7, -15)$

2) $(1, -19), (-2, -7)$

3) $(-4, 7), (-6, -4)$

4) $(20, 8), (9, 16)$

Find the slope of each line.

7) $y = -\frac{7}{5}x + 4$

8) $y = -1$

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

9) Slope = 4, y-intercept = -3

10) Slope = 10, y-intercept = 5

Write the slope-intercept form of the equation of each line. (HINT: Rearrange and solve for y)

11) $5x - 2y = -10$

12) $2x - y = -7$

Finding Slope from Tables

Name _____

Date _____ Period _____

Determine the slope of the line represented by the table of values. Describe the graphs of the line as increasing, decreasing, horizontal, or vertical.

1.

x	y
-2	3
-1	5
0	7
1	9
2	11

m =

Graph Description

2.

x	y
-3	5
-2	2
-1	-1
0	-4
1	-7

m =

Graph Description

3.

x	y
1	-17
2	-13
3	-9
4	-5
5	-1

m =

Graph Description

4.

x	y
-6	-4
-5	-9
-4	-14
-3	-19
-2	-24

m =

Graph Description

5.

x	y
0	3
1	5.5
2	8
3	10.5
4	13

m =

Graph Description

6.

x	y
-2	5
-1	4.75
0	4.5
1	4.25
2	4

m =

Graph Description

7.

x	y
-2	$\frac{2}{5}$
-1	$\frac{4}{5}$
0	$\frac{6}{5}$
1	$\frac{8}{5}$

m =

Graph Description

8.

x	y
-1	1
1	2
3	3
5	4
7	5

m =

Graph Description

Parts of an Equation

1. Savannah is interviewing for a sales job for a company that makes swimming pools. She knows this company pays everyone its sales team a base salary plus a commission based on how much they each sell. During the interview, the company tells her she can earn a lot if she does well. For example, if she sells 60 pools in a year, she'll make \$67,000. If she sells 90 pools in a year, she'll make \$88,000. Write a linear function to estimate how much Savannah will earn based on how many pools she sells.

Slope: _____

Y-Intercept: _____

X-Intercept: _____

Equation: _____

5. A taxi charges \$9 for a 2 mile ride, \$16 for a 4 mile ride, etc. Presuming the taxi charges a consistent rate per mile, write an equation representing how much a ride will cost based on how far you go.

Slope: _____

Y-Intercept: _____

X-Intercept: _____

Equation: _____