Name _____ Date _____ Class _____

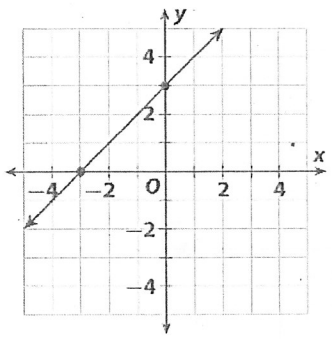
LESSON 4-2

Determining Slope and *y*-Intercept

Practice and Problem Solving: A/B

Find the slope and *y*-intercept of the line in each graph.

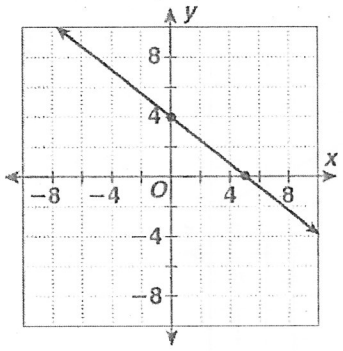
1.



slope m = _____

y-intercept b = _____

2.



slope m = _____

y-intercept b = _____

Find the slope and *y*-intercept of the line represented by each table.

3.

x	0	3	6	9	12
y		10	19	28	37

slope m = _____

y-intercept b = _____

4.

x	0	2	4	6	8
y		2	3	4	5

slope m = _____

y-intercept b = _____

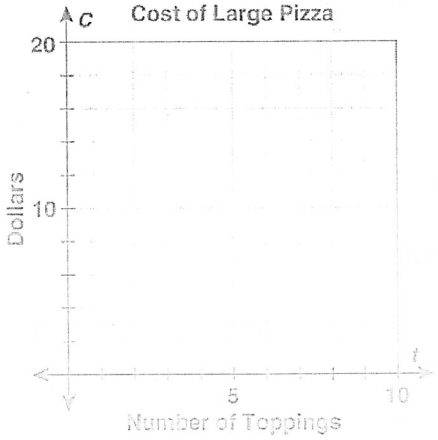
Find and interpret the rate of change and the initial value.

5. A pizzeria charges \$8 for a large cheese pizza, plus \$2 for each topping. The total cost for a large pizza is given by the equation $C = 2t + 8$, where t is the number of toppings. Graph the equation for t between 0 and 5 toppings, and explain the meaning of the slope and *y*-intercept.

_____

_____

_____



Name _____ Date _____ Class _____

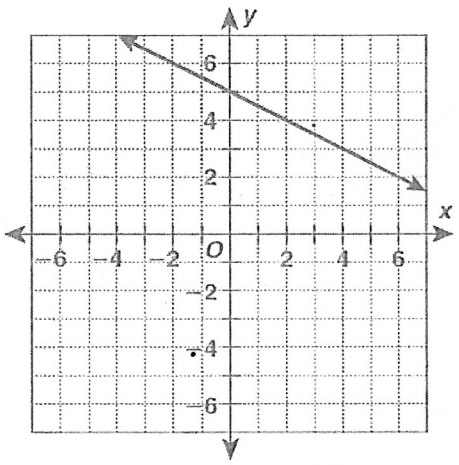
LESSON 4-2

Determining Slope and *y*-Intercept

Practice and Problem Solving: D

Find the slope and *y*-intercept of the line in each graph. The first one is done for you.

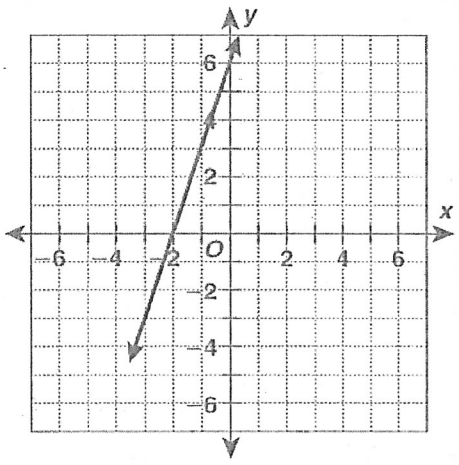
1.



slope $m = -\frac{1}{2}$

y-intercept $b = 5$

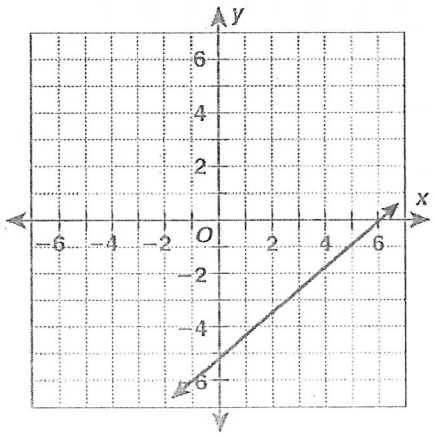
2.



slope $m =$ _____

y-intercept $b =$ _____

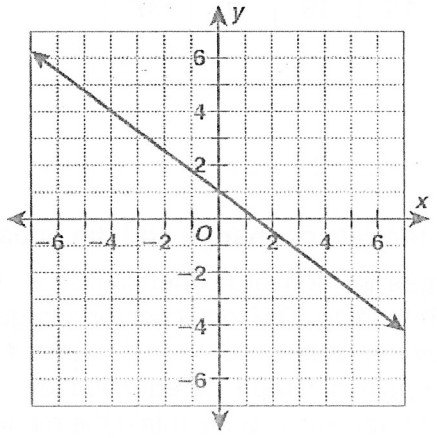
3.



slope $m =$ _____

y-intercept $b =$ _____

4.



slope $m =$ _____

y-intercept $b =$ _____

Find the slope and *y*-intercept of the line represented by each table.

5.

x	0	5	10	15	20
y	3	13	23	33	43

slope $m =$ _____

y-intercept $b =$ _____

6.

x	0	2	4	6	8
y	5	6	7	8	9

slope $m =$ _____

y-intercept $b =$ _____