Name: _____ **Class:** _____ **Date:** _____ **ID: A**

CHAPTER 5 TEST 1 REVIEW

The rate of change is constant in each table. Find the rate of change. Explain what the rate of change means for the situation.

____ 1. The table shows the cost of a ski rental package for a given number of people.

People	Cost ($)
4	160
5	200
6	240
7	280

a. $\frac{1}{280}$ dollars per person; the cost is $1 for 280 people.

b. $\frac{160}{1}$ dollars per person; the cost is $160 for each person.

c. $\frac{1}{40}$ dollars per room; the cost is $40 for each person.

d. $\frac{40}{1}$ dollars per person; the cost is $40 for each person.

____ 2. The table shows the number of miles driven over time.

Time (hours)	Distance (miles)
4	204
6	306
8	408
10	510

a. $\frac{51}{1}$; Your car travels 51 miles every 1 hour.

b. 204; Your car travels 204 miles.

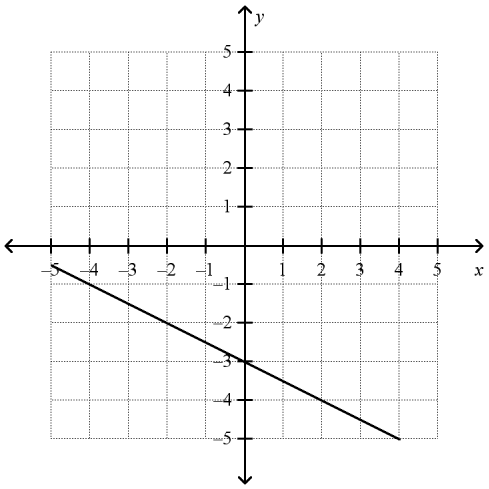
c. $\frac{1}{51}$; Your car travels 51 miles every 1 hour.

d. 10; Your car travels for 10 hours.

Name: _____ **ID: A**

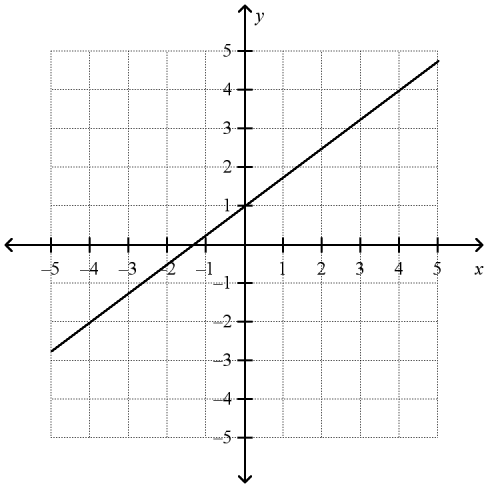
Find the slope of the line.

____ 3.



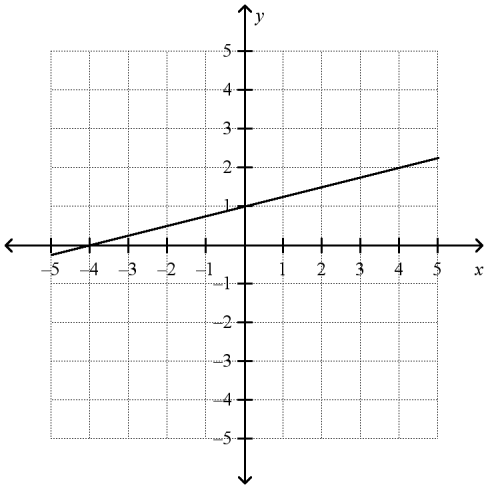
a. $\frac{1}{2}$ b. $-\frac{1}{2}$ c. -2 d. 2

____ 4.



a. $\frac{3}{4}$ b. $-\frac{4}{3}$ c. $-\frac{3}{4}$ d. $\frac{4}{3}$

____ 5.



a. -4 b. $-\frac{1}{4}$ c. $\frac{1}{4}$ d. 4

What is the slope of the line that passes through the pair of points?

____ 6. (1, 7), (10, 1)

a. $\frac{3}{2}$ b. $-\frac{2}{3}$ c. $-\frac{3}{2}$ d. $\frac{2}{3}$

____ 7. (–5.5, 6.1), (–2.5, 3.1)

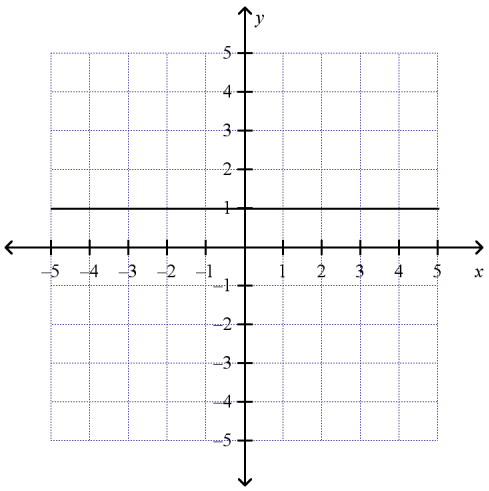
a. -1 b. 1 c. -1 d. 1

____ 8. $(-\frac{5}{3}, -1)$, $(-2, \frac{9}{2})$

a. $\frac{2}{33}$ b. $-\frac{2}{33}$ c. $-\frac{33}{2}$ d. $\frac{33}{2}$

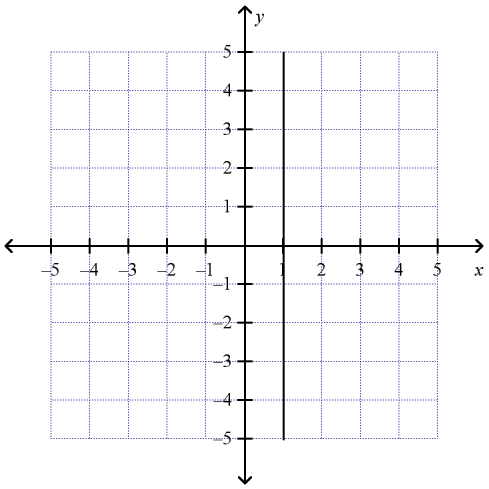
What is the slope of the line?

____ 9.



a. undefined b. 0

____ 10.



a. 0

b. undefined

What are the slope and *y*-intercept of the graph of the given equation?

____ 11. $y = -4x + 2$

a. The slope is –2 and the *y*-intercept is –4.
b. The slope is 2 and the *y*-intercept is –4.
c. The slope is 4 and the *y*-intercept is –2.
d. The slope is –4 and the *y*-intercept is 2.

____ 12. $y = \frac{8}{9}x - \frac{10}{3}$

a. The slope is $\frac{10}{3}$ and the *y*-intercept is $\frac{8}{9}$.

b. The slope is $-\frac{10}{3}$ and the *y*-intercept is $\frac{8}{9}$.

c. The slope is $\frac{8}{9}$ and the *y*-intercept is $-\frac{10}{3}$.

d. The slope is $\frac{9}{8}$ and the *y*-intercept is $\frac{10}{3}$.

____ 13. $y = 1.9x + 2.5$

a. The slope is 1.9 and the *y*-intercept is 2.5.
b. The slope is 2.5 and the *y*-intercept is 1.9.
c. The slope is –1.9 and the *y*-intercept is –2.5.
d. The slope is –2.5 and the *y*-intercept is 1.9.

Write an equation of a line with the given slope and *y*-intercept.

____ 14. $m = -5$, $b = -3$

a. $y = -5x - 3$
b. $y = -5x + 3$
c. $y = 5x - 3$
d. $y = -3x - 5$

____ 15. $m = \frac{3}{5}$, $b = \frac{1}{3}$

a. $y = \frac{1}{3}x + \frac{3}{5}$

b. $y = \frac{3}{5}x - \frac{1}{3}$

c. $y = \frac{5}{3}x + \frac{1}{3}$

d. $y = \frac{3}{5}x + \frac{1}{3}$

____ 16. $m = -4.4$, $b = 6.8$

a. $y = -4.4x - 6.8$

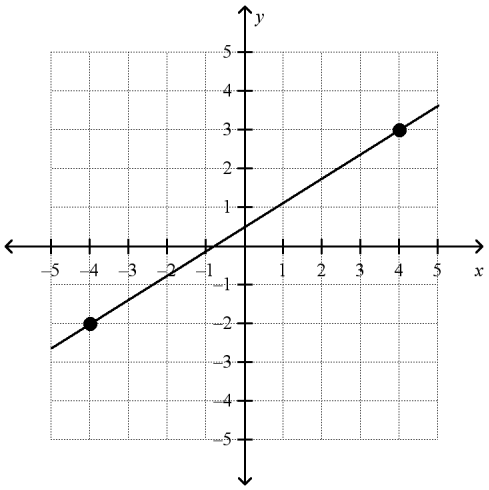
b. $y = 4.4x + 6.8$

c. $y = 6.8x - 4.4$

d. $y = -4.4x + 6.8$

Write the slope-intercept form of the equation for the line.

____ 17.



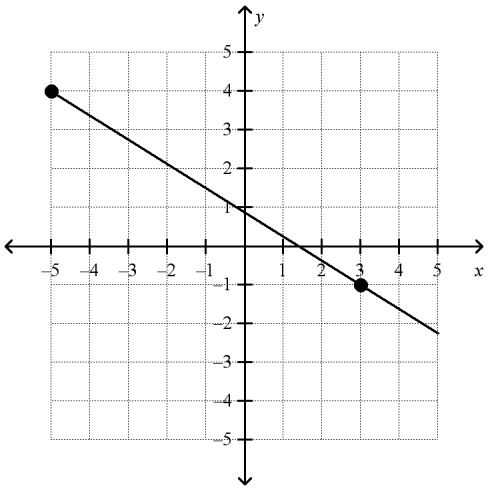
a. $y = -\frac{5}{8}x + \frac{1}{2}$

b. $y = \frac{8}{5}x - \frac{1}{2}$

c. $y = \frac{5}{8}x + \frac{1}{2}$

d. $y = \frac{8}{5}x + \frac{1}{2}$

____ 18.



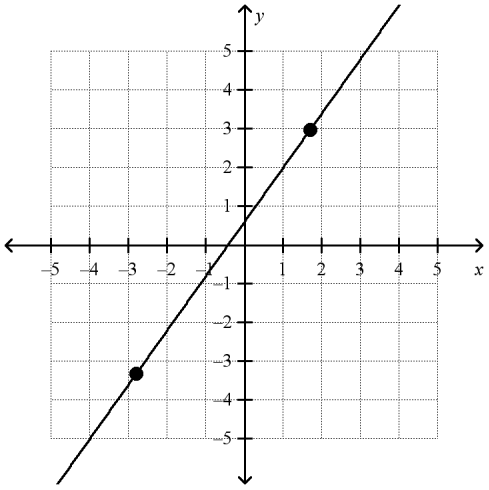
a. $y = -\frac{5}{8}x + \frac{7}{8}$

b. $y = \frac{5}{8}x + \frac{7}{8}$

c. $y = \frac{7}{8}x + \frac{5}{8}$

d. $y = -\frac{8}{5}x + \frac{7}{8}$

____ 19.



a. $y = 1.4x - 0.6$

b. $y = -1.4x - 0.6$

c. $y = -1.4x + 0.6$

d. $y = 1.4x + 0.6$

What equation in slope intercept form represents the line that passes through the two points?

____ 20. (2, 5), (9, 2)

a. $y = \frac{3}{7}x - \frac{41}{7}$

b. $y = -\frac{7}{3}x - \frac{41}{7}$

c. $y = \frac{7}{3}x + \frac{41}{7}$

d. $y = -\frac{3}{7}x + \frac{41}{7}$

____ 21. $(-\frac{3}{4}, -\frac{10}{3}), (-\frac{2}{3}, -\frac{1}{3})$

a. $y = 36x + \frac{71}{3}$

b. $y = 36x - \frac{71}{3}$

c. $y = \frac{1}{36}x - \frac{1}{36}$

d. $y = \frac{1}{36}x + \frac{1}{36}$

____ 22. (6.6, –2.5), (8.6, –10.5)

a. $y = 4x + 23.9$

b. $y = -0.25x - 23.9$

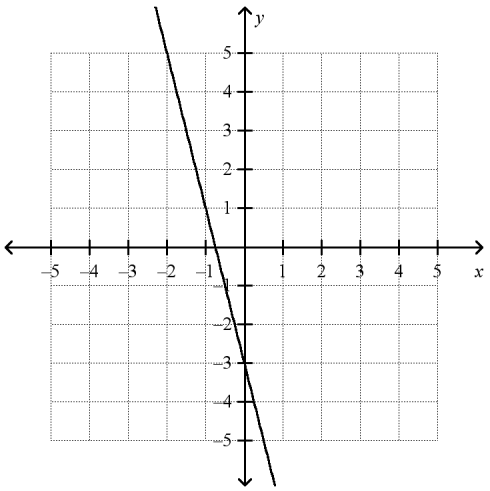
c. $y = -4x + 23.9$

d. $y = 0.25x - 23.9$

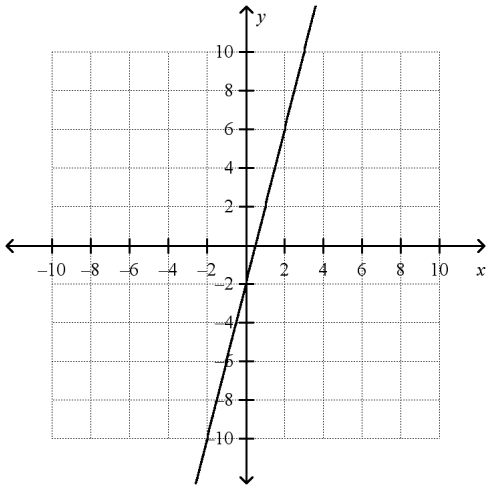
Graph the equation.

____ 23. $y = 4x - 3$

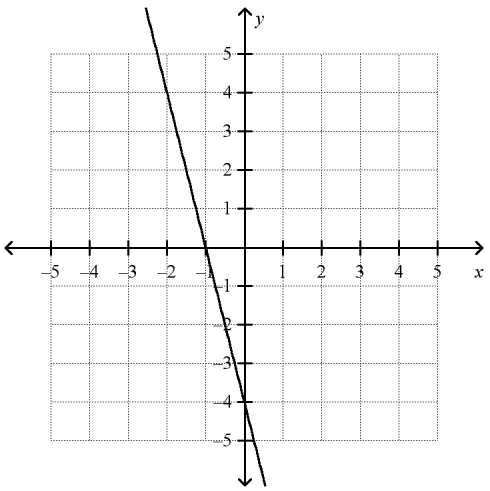
a.



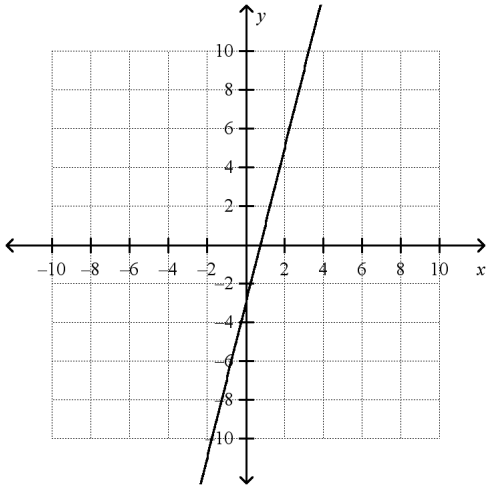
c.



b.

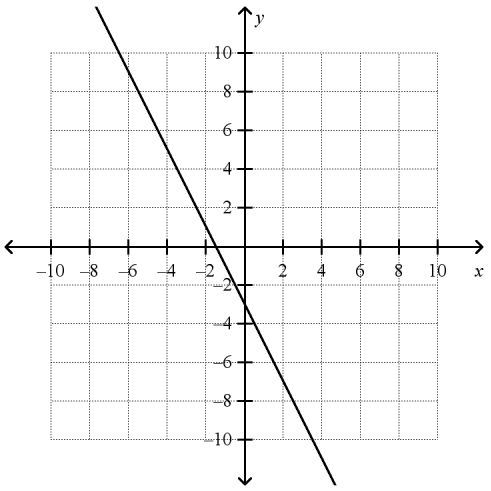


d.

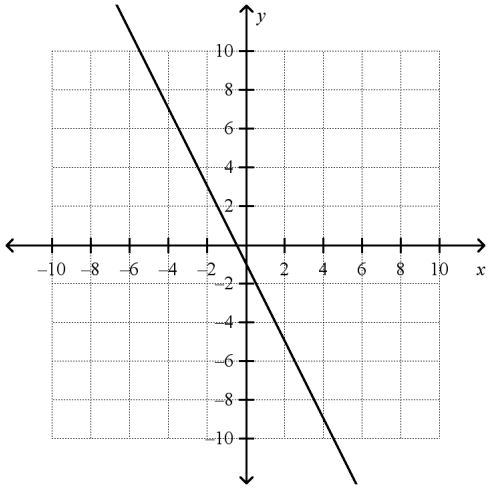


____ 24. $y = -2x - 3$

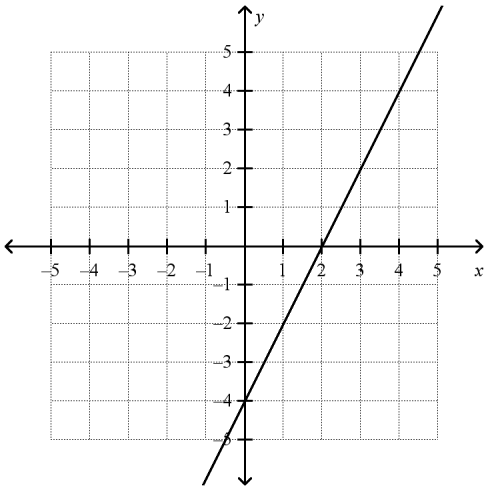
a.


y
x
10
8
6
4
2
−10 −8 −6 −4 −2 2 4 6 8 10
−2
−4
−6
−8
−10

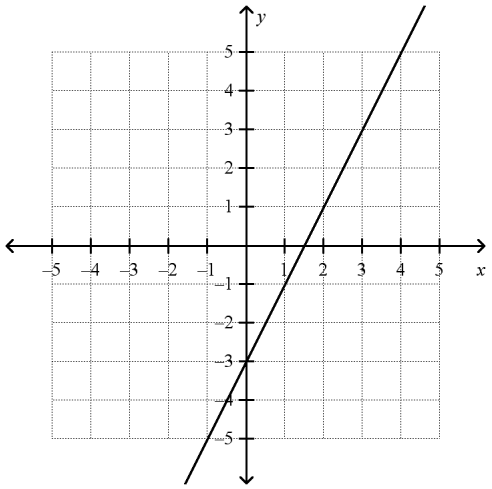
c.


y
x
10
8
6
4
2
−10 −8 −6 −4 −2 2 4 6 8 10
−2
−4
−6
−8
−10

b.

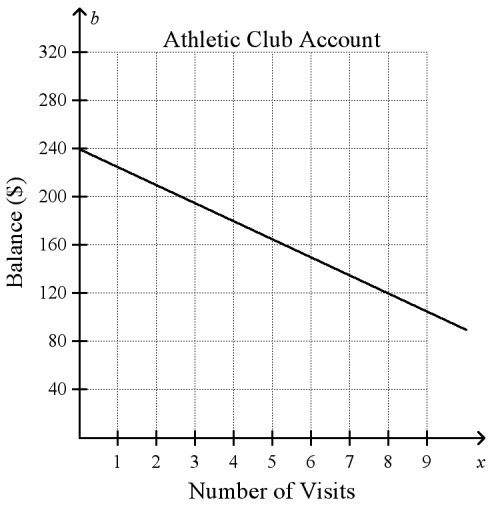

y
x
5
4
3
2
1
−5 −4 −3 −2 −1 1 2 3 4 5
−1
−2
−3
−4
−5

d.


y
x
5
4
3
2
1
−5 −4 −3 −2 −1 1 2 3 4 5
−1
−2
−3
−4
−5

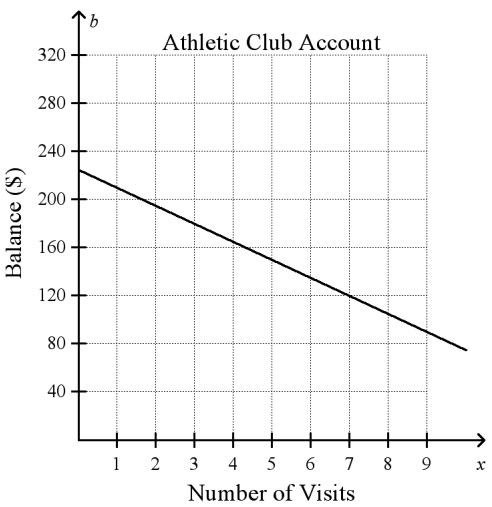
____ 25. Giselle pays $240 in advance on her account at the athletic club. Each time she uses the club, $15 is deducted from the account. Model the situation with a linear function and a graph.

a.



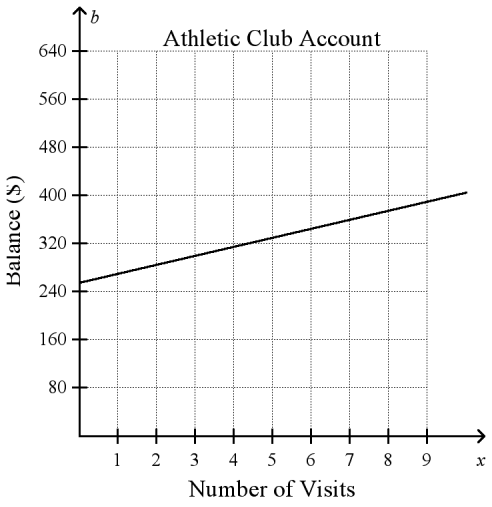
$b = 240 - 15x$

c.



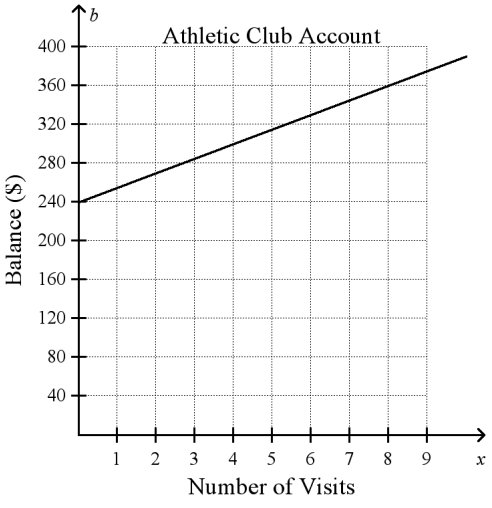
$b = 225 - 15x$

b.



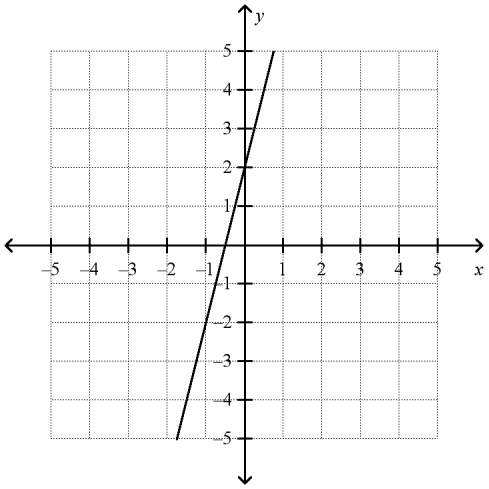
$b = 225 + 15x$

d.



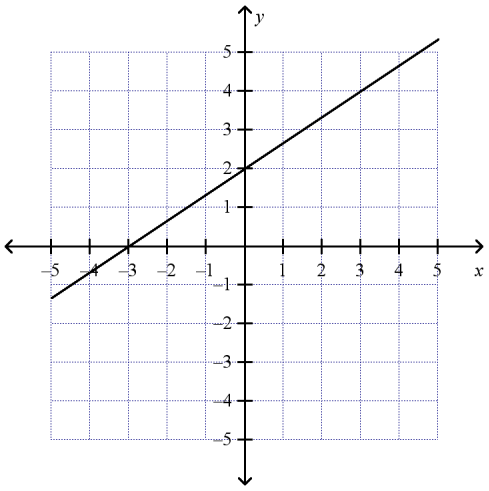
$b = 240 + 15x$

____ 26. What do you expect the slope of the line to be from looking at the graph?



a. The slope is positive
b. The slope is negative

____ 27. The graph below represents one function, and the table represents a different function. How are the functions similar? How are they different?



x	−2	−1	0	1	2
y	0	1	2	3	4

a. The functions have the same slope, but different *y*-intercepts.
b. The functions have the same *y*-intercept but different slopes.
c. The function have the same slope and the same *y*-intercept.
d. The functions are both linear, but have different slopes and different *y*-intercepts.

Write an equation in point-slope form for the line through the given point with the given slope.

____ 28. (8, 3); $m = 6$

a. $y + 3 = 6(x - 8)$
c. $y - 3 = 6(x + 8)$
b. $y - 3 = 6(x - 8)$
d. $y + 3 = 6x + 8$

____ 29. $(-10, -6)$; $m = -\frac{5}{8}$

a. $y - 6 = -\frac{5}{8}(x - 10)$
c. $y + 6 = -\frac{5}{8}(x + 10)$
b. $y - 6 = -\frac{5}{8}(x + 10)$
d. $y + 10 = -\frac{5}{8}(x + 6)$

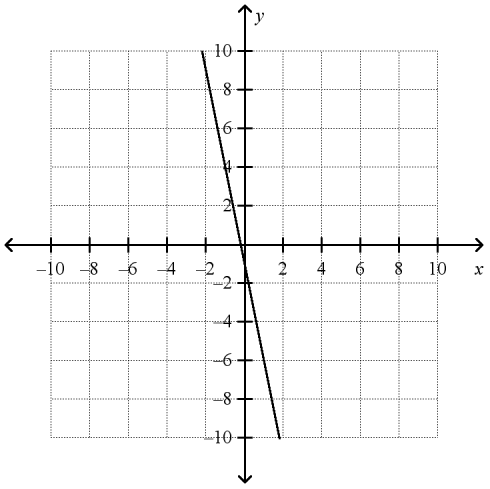
____ 30. $(3, -10)$; $m = -0.83$

a. $y - 10 = -0.83(x + 3)$
c. $y - 3 = -0.83(x + 10)$
b. $y - 10 = -0.83(x - 3)$
d. $y + 10 = -0.83(x - 3)$

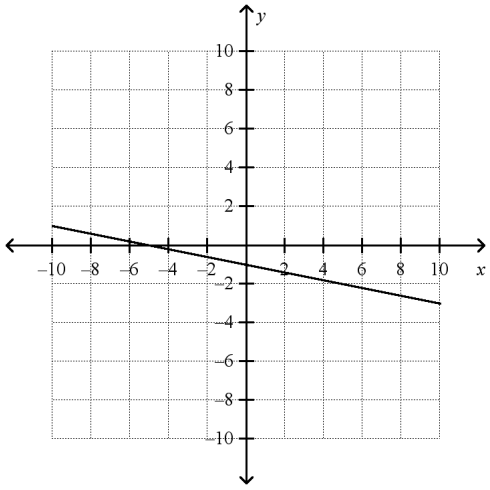
Graph the equation.

_____ 31. $y - 4 = -5(x + 1)$

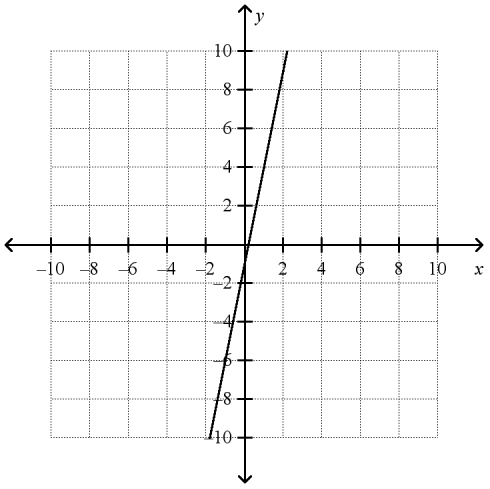
a.



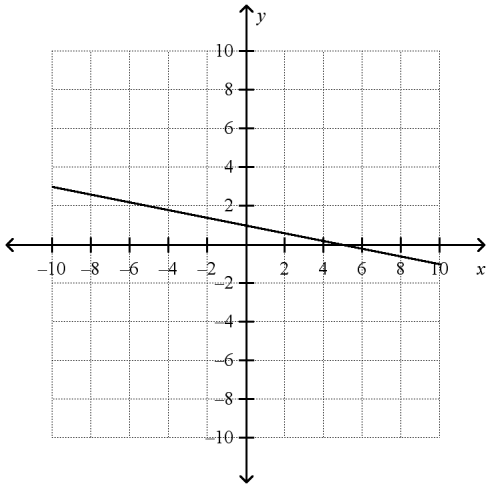
c.



b.

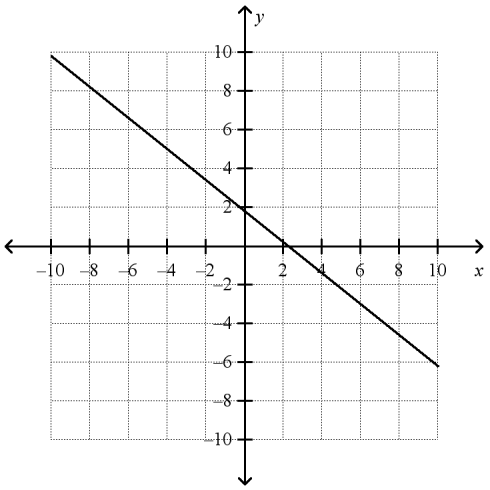


d.

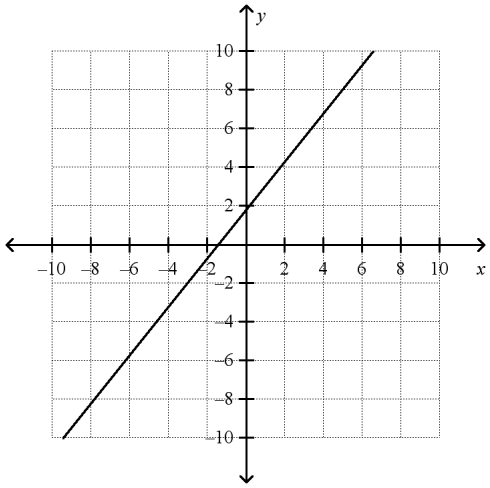


_____ 32. $y - 1 = \frac{4}{5}(x + 1)$

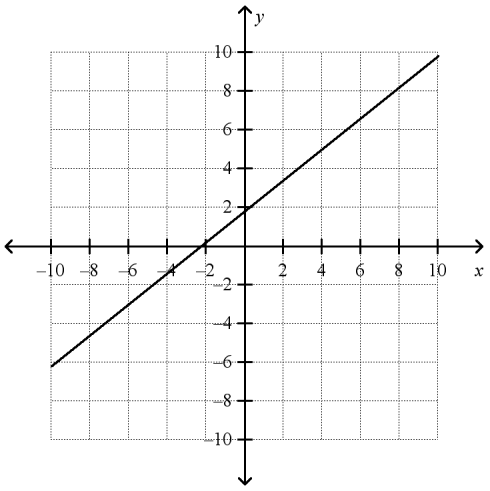
a.



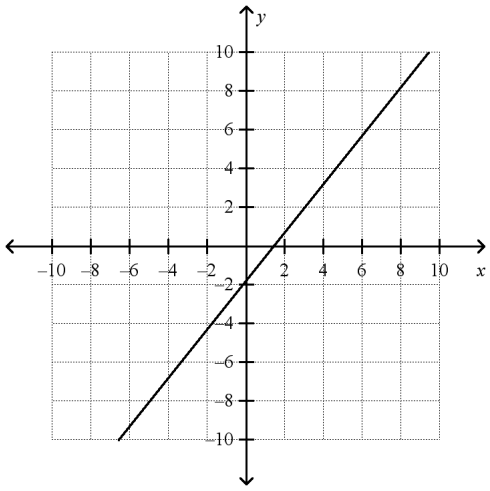
c.



b.

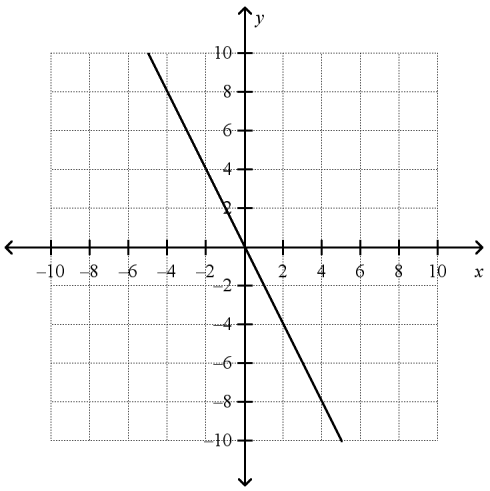


d.

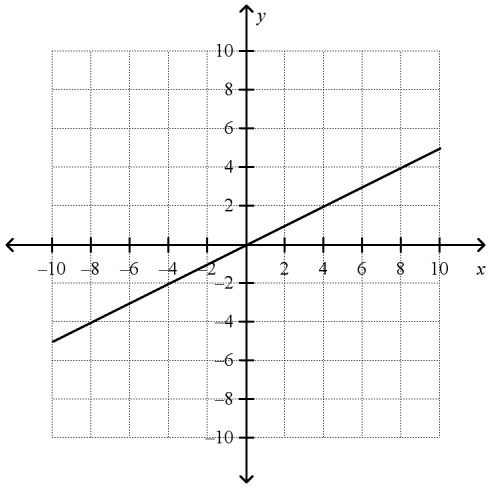


_____ 33. $y - 4 = 2(x - 2)$

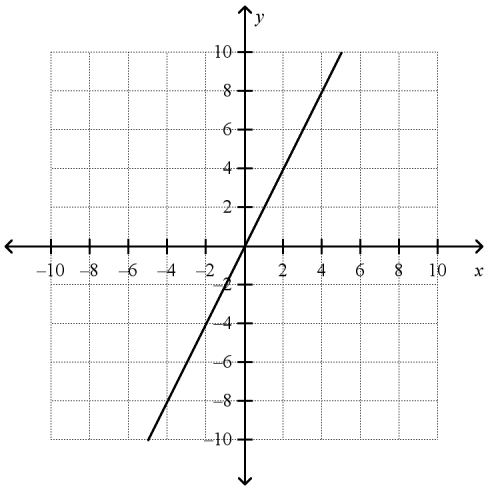
a.



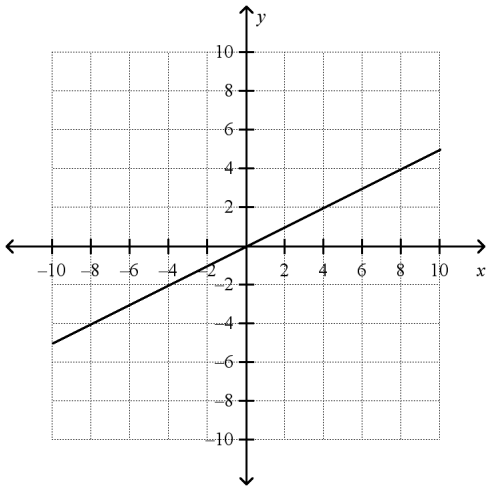
c.



b.

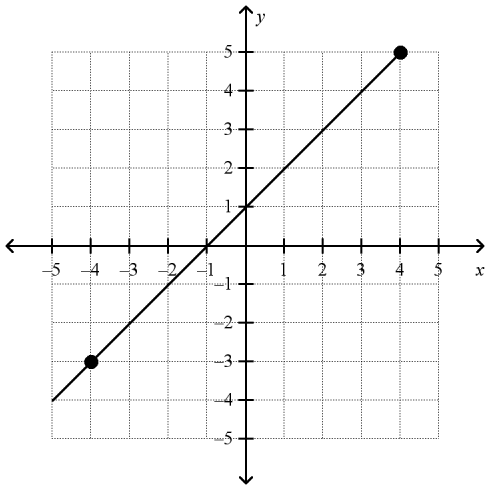


d.



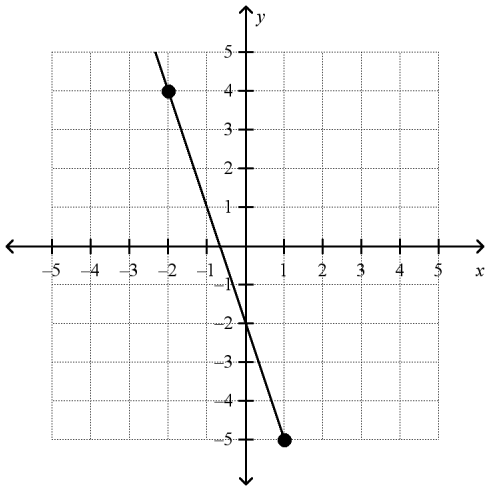
What is an equation of the line?

____ 34.



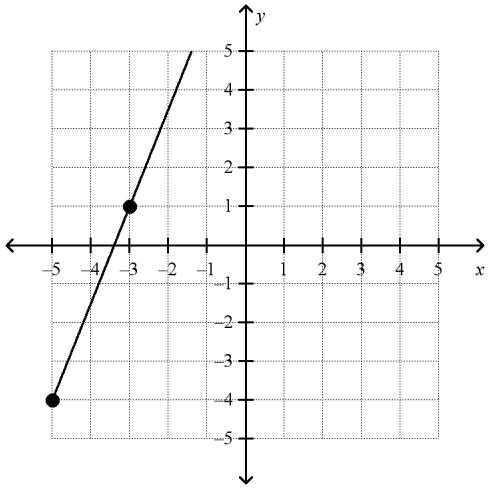
a. $y + 3 = (x + 4)$
b. $y - 3 = 2(x - 4)$
c. $y + 3 = -(x - 4)$
d. $y + 5 = 2(x + 4)$

____ 35.



a. $y - 4 = -3(x + 2)$
b. $y - 4 = -\frac{1}{3}(x + 2)$
c. $y - 2 = -2(x + 4)$
d. $y - 5 = 3(x + 2)$

____ 36.



a. $y + 1 = -0.4(x + 5)$
b. $y + 4 = -2.5(x + 5)$
c. $y + 4 = 2.5(x + 5)$
d. $y + 1 = -0.4(x - 3)$

____ 37. The table shows the height of a plant as it grows. What equation in point-slope form gives the plant's height at any time? Let y stand for the height of the plant in cm and let x stand for the time in months.

Time (months)	Plant Height (cm)
3	15
5	25
7	35
9	45

a. $y - 15 = \frac{5}{2}(x - 3)$
b. $y - 15 = 5(x - 3)$
c. $y - 3 = \frac{5}{2}(x - 15)$
d. The relationship cannot be modeled.

____ 38. The table shows the height of an elevator above ground level after a certain amount of time. Model the data with an equation. Let y stand for the height of the elevator in feet and let x stand for the time in seconds.

Time (s)	Height (ft)
10	202
20	184
40	148
60	112

a. $y = -1.8 + 202$
b. $y = -1.8x + 220$
c. $y = 220x - 1.8$
d. $y = 10x + 202$

____ 39. The table shows the height above the ground of a helicopter taking off from the top of a building. What equation in point-slope form gives the helicopter's height at any time? Let y stand for the height of the helicopter in m and let x stand for the time in seconds.

Time (s)	Height (m)
3	24
5	40
7	56
9	72

a. $y - 24 = 8(x - 3)$
b. $y - 3 = 4(x - 24)$
c. $y - 24 = 4(x - 3)$
d. The relationship cannot be modeled.

CHAPTER 5 TEST 1 REVIEW
Answer Section

1. ANS: D PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.1 To find rates of change from tables
   NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 1 Finding Rate of Change Using a Table
   KEY: find rate of change | interpret rate of change
2. ANS: A PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.1 To find rates of change from tables
   NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 1 Finding Rate of Change Using a Table
   KEY: find rate of change | interpret rate of change
3. ANS: B PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 2 Finding Slope Using a Graph KEY: slope
4. ANS: A PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 2 Finding Slope Using a Graph KEY: slope
5. ANS: C PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 2 Finding Slope Using a Graph KEY: slope
6. ANS: B PTS: 1 DIF: L2 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 3 Finding Slope Using Points KEY: slope
7. ANS: A PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 3 Finding Slope Using Points KEY: slope
8. ANS: C PTS: 1 DIF: L4 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 3 Finding Slope Using Points KEY: slope
9. ANS: B PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
   OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
   STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
   TOP: 5-1 Problem 4 Finding Slopes of Horizontal and Vertical Lines
   KEY: slope

10. ANS: B PTS: 1 DIF: L3 REF: 5-1 Rate of Change and Slope
OBJ: 5-1.2 To find slope NAT: CC F.IF.6| CC F.LE.1.b| A.2.a| A.2.b
STA: PA M11.D.2.1.2| PA M11.D.3.1.1| PA M11.D.3.1.2| PA M11.D.3.2.1| PA M11.D.3.2.3
TOP: 5-1 Problem 4 Finding Slopes of Horizontal and Vertical Lines
KEY: slope
11. ANS: D PTS: 1 DIF: L2 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 1 Identifying Slope and y-intercept
KEY: linear equation | y-intercept | slope-intercept form
12. ANS: C PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 1 Identifying Slope and y-intercept
KEY: linear equation | y-intercept | slope-intercept form
13. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 1 Identifying Slope and y-intercept
KEY: linear equation | y-intercept | slope-intercept form
14. ANS: A PTS: 1 DIF: L2 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 2 Writing an Equation in Slope-Intercept Form
KEY: linear equation | slope-intercept form | y-intercept
15. ANS: D PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 2 Writing an Equation in Slope-Intercept Form
KEY: linear equation | slope-intercept form | y-intercept
16. ANS: D PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 2 Writing an Equation in Slope-Intercept Form
KEY: linear equation | slope-intercept form | y-intercept
17. ANS: C PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 3 Writing an Equation From a Graph
KEY: slope-intercept form | linear equation | y-intercept

18. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 3 Writing an Equation From a Graph
KEY: slope-intercept form | linear equation | y-intercept

19. ANS: D PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 3 Writing an Equation From a Graph
KEY: slope-intercept form | linear equation | y-intercept

20. ANS: D PTS: 1 DIF: L2 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 4 Writing an Equation From Two Points
KEY: linear equation | y-intercept | slope-intercept form

21. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 4 Writing an Equation From Two Points
KEY: linear equation | y-intercept | slope-intercept form

22. ANS: C PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.1 To write linear equations using slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 4 Writing an Equation From Two Points
KEY: linear equation | y-intercept | slope-intercept form

23. ANS: D PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 5 Graphing a Linear Function
KEY: linear equation | y-intercept | slope-intercept form

24. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 5 Graphing a Linear Function
KEY: linear equation | y-intercept | slope-intercept form

25. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 6 Modeling a Function
KEY: linear equation | y-intercept | slope-intercept form | choosing the correct scale

26. ANS: A PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 3 Writing an Equation From a Graph
KEY: slope-intercept form | linear equation | y-intercept

27. ANS: B PTS: 1 DIF: L3 REF: 5-3 Slope-Intercept Form
OBJ: 5-3.2 To graph linear equations in slope-intercept form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-3 Problem 3 Writing an Equation From a Graph
KEY: slope | compare properties of two functions

28. ANS: B PTS: 1 DIF: L2 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 1 Writing an Equation in Point-Slope Form
KEY: point-slope form

29. ANS: C PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 1 Writing an Equation in Point-Slope Form
KEY: point-slope form

30. ANS: D PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 1 Writing an Equation in Point-Slope Form
KEY: point-slope form

31. ANS: A PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 2 Graphing Using Point-Slope Form KEY: point-slope form

32. ANS: B PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 2 Graphing Using Point-Slope Form KEY: point-slope form

33. ANS: B PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 2 Graphing Using Point-Slope Form KEY: point-slope form

34. ANS: A PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 3 Using Two Points to Write an Equation
KEY: point-slope form
35. ANS: A PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 3 Using Two Points to Write an Equation
KEY: point-slope form
36. ANS: C PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 3 Using Two Points to Write an Equation
KEY: point-slope form
37. ANS: B PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 4 Using a Table to Write an Equation KEY: point-slope form
38. ANS: B PTS: 1 DIF: L3 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 4 Using a Table to Write an Equation KEY: point-slope form
39. ANS: A PTS: 1 DIF: L4 REF: 5-4 Point-Slope Form
OBJ: 5-4.1 To write and graph linear equations using point-slope form
NAT: CC A.SSE.1.a| CC A.SSE.2| CC A.CED.2| CC F.IF.4| CC F.IF.7.a| CC F.BF.1.a| CC F.BF.3| CC F.LE.2| CC F.LE.5| A.2.a| A.2.b STA: PA M11.D.2.1.2| PA M11.D.3.2.2| PA M11.D.3.2.3
TOP: 5-4 Problem 4 Using a Table to Write an Equation KEY: point-slope form