Progress Assessment

Circle the letter of the best answer.

1. The cost of having your car towed is \$45 to hook up the car and then \$3.50 per mile towed. Which equation models this scenario?

a.
$$y = 40x + 3.50$$

b.
$$y = 3.50x + 45$$

c.
$$y = 48.50x$$

d.
$$x + y = 48.50$$

2. A store is giving away 150 gift cards each valued at \$20 for every hour that the store is open. What equation models this scenario?

a.
$$y = -20x + 3000$$

b.
$$y = -x + 150$$

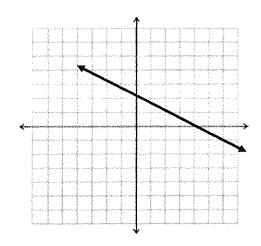
3. What is the equation of this line in slope-intercept form?

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

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

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

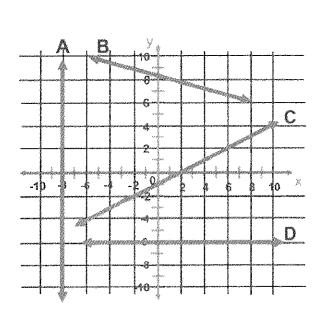
d.
$$y = \frac{1}{2}x + 1$$



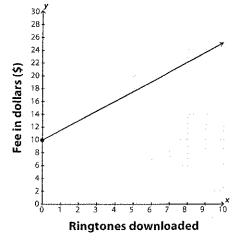
- 4 Which line above has a slope of zero?
 - a. Line A
 - b. Line B
 - c. Line C
 - d. Line D
- 5 Which line above has an undefined slope?
 - a. Line A
 - b. Line B
 - c. Line C
 - d. Line D
- Which line has a positive slope?



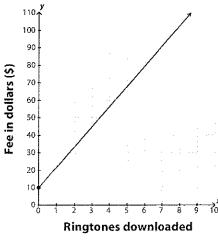
- b. Line B
- c. Line C
- d. Line D

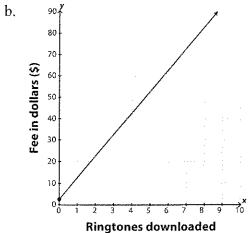


a.

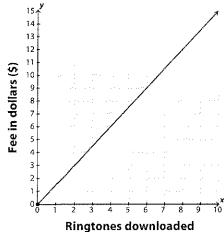


c.

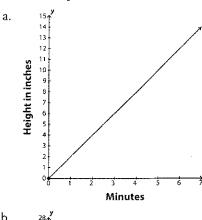




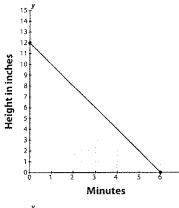
d.



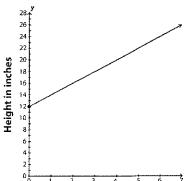
8.



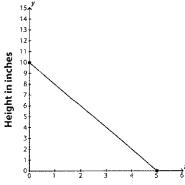
c.



b.



d.



Q. What is the equation of the line in point-slope form containing the points (4, -1) and (10, 0)?

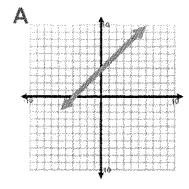
a.
$$y - 1 = 1/6(x - 4)$$

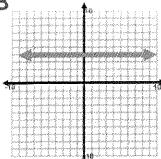
b.
$$y = 1/6(x - 10)$$

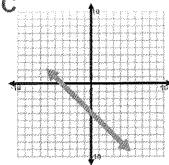
c.
$$y = 1/6x - 5/3$$

d.
$$y + 0 = -1/6(x + 10)$$

10. Which graph shows the equation y = x + 4?







- 11. The line y = -7 is:
 - a. Horizontal
 - b. Vertical
 - c. Neither
 - d. Cannot be determined
- 12. The line x = 5 is:
 - a. Horizontal
 - b. Vertical
 - c. Neither
 - d. Cannot be determined
- 13. Which equation is written in slope-intercept form?

a.
$$y - 4 = 3(x - 5)$$

b.
$$y - 4 = 3x - 5$$

c.
$$3x - y = -11$$

d.
$$y = 3x - 11$$

1식. Which equation is written in point-slope form?

a.
$$y-2=9(x+2)$$

b.
$$y-2=9x+2$$

c.
$$9x - y = -20$$

d.
$$y = 9x - 20$$

Constructed Response. Show all work.

- 15, You start a lawn mowing service. You pay \$75 for the lawn mower and plan on charging \$25 per lawn. Write an equation to relate your income *y* to the number of lawns you mow *x*.
- 6 A line has an x-intercept of 4 and y-intercept of 7.
 - a. What is the slope of this line?
 - b. Write an equation in slope intercept form for the line.
 - c. Write an equation in point-slope form.