

26. A pizza restaurant charges for pizzas and adds a delivery fee. The cost (c), in dollars, to have any number of pizzas (p) delivered to a home is described by the function $c = 8p + 3$. Which statement is true?

- A. The cost of 8 pizzas is \$11.
- B. The cost of 3 pizzas is \$14.
- C. Each pizza costs \$8 and the delivery fee is \$3.
- D. Each pizza costs \$3 and the delivery fee is \$8.

27. The table below shows values of y as a function of x .

x	y
2	10
6	25
14	55
26	100
34	130

Which linear equation best describes the relationship between x and y ?

- A. $y = 2.5x + 5$
- B. $y = 3.75x + 2.5$
- C. $y = 4x + 1$
- D. $y = 5x$

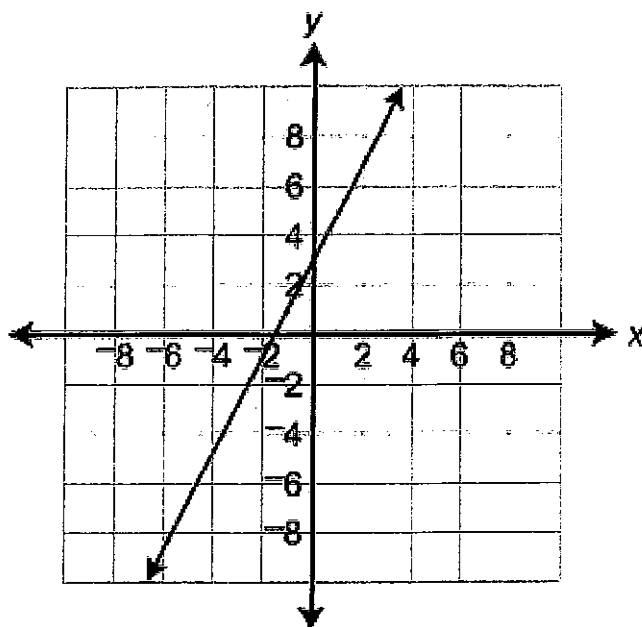
28. Jeff's restaurant sells hamburgers. The amount charged for a hamburger (h) is based on the cost for a plain hamburger plus an additional charge for each topping (t) as shown in the equation below.

$$h = 0.60t + 5$$

What does the number 0.60 represent in the equation?

- A. the number of toppings
- B. the cost of a plain hamburger
- C. the additional cost for each topping
- D. the cost of a hamburger with 1 topping

30. A graph of a linear equation is shown below.



Which equation describes the graph?

- A. $y = 0.5x - 1.5$
- B. $y = 0.5x + 3$
- C. $y = 2x - 1.5$
- D. $y = 2x + 3$

31. A juice machine dispenses the same amount of juice into a cup each time the machine is used. The equation below describes the relationship between the number of cups (x) into which juice is dispensed and the gallons of juice (y) remaining in the machine.

$$x + 12y = 180$$

How many gallons of juice are in the machine when it is full?

- A. 12
- B. 15
- C. 168
- D. 180