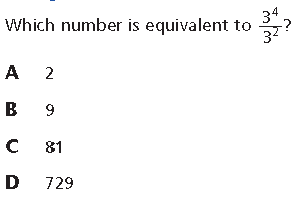
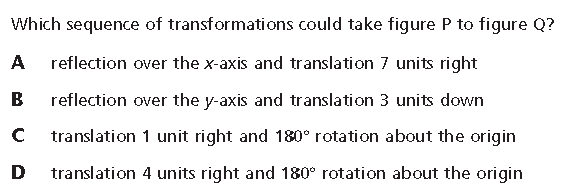
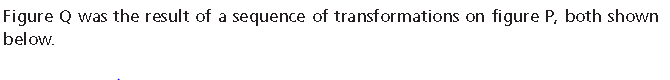
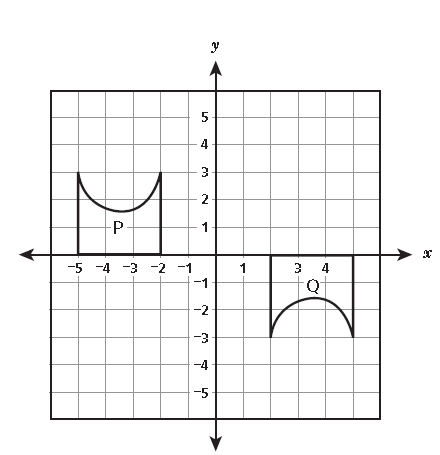
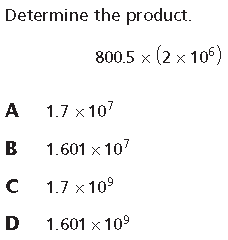
**QUESTION #1**



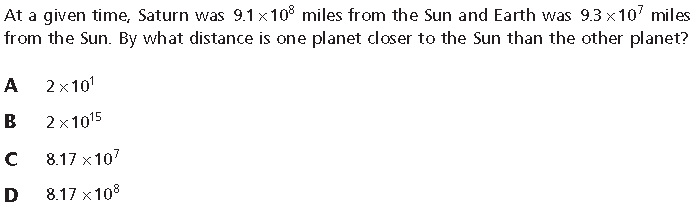
**QUESTION #2**



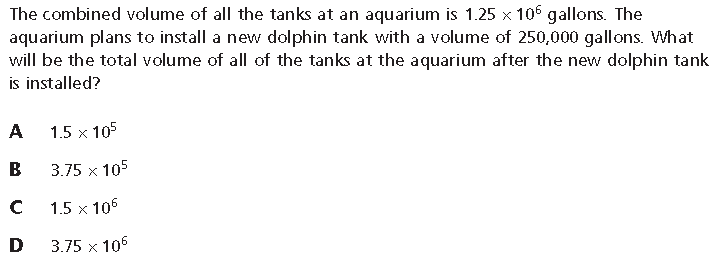
**QUESTION #3**

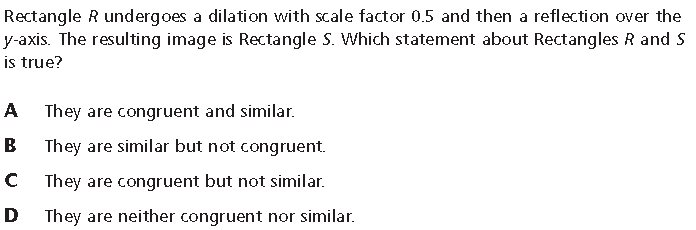


**QUESTION #4**

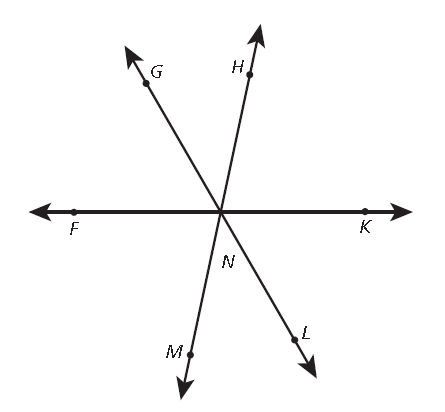


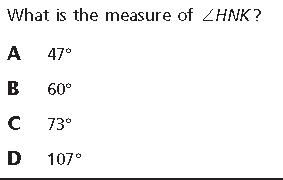
**QUESTION #5**





**QUESTION #7**

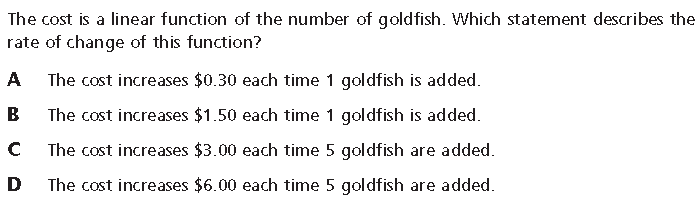




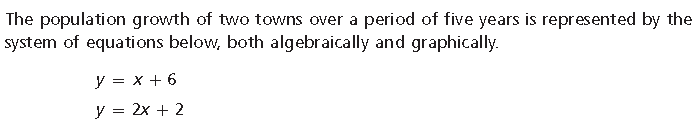
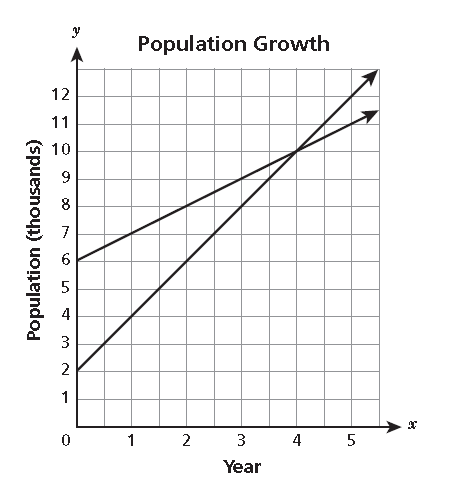
**QUESTION #8**

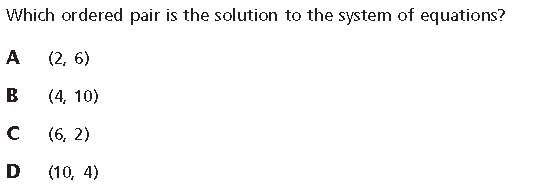




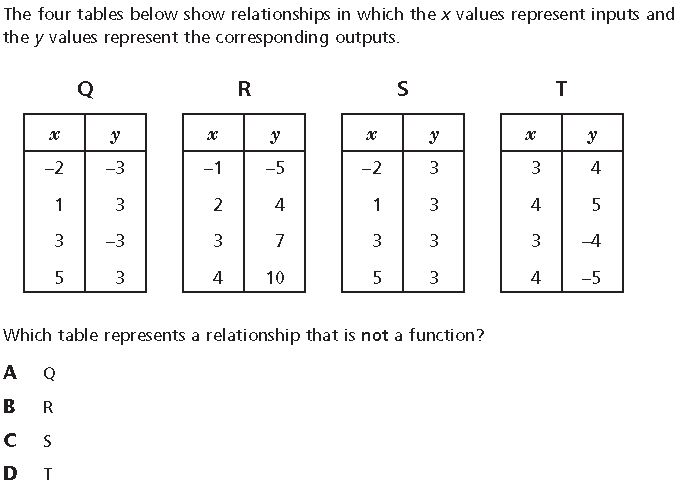


**QUESTION #9**





**QUESTION #10**



1. Which equation does **not** represent a linear function of x?

a. y = b. y= c. y =-3+2x d. y =3x2-2

1. A water tank is in the shape of a right circular cylinder with a height of 20 feet and a volume of 320. What is the diameter, in feet, of the water tank?

a. 16 b. 10 c. 8 d. 4

1. Which phrase best describes the graph of y = -2x +5?

a. a U-shaped curve that opens upward

b. a U-shaped curve that opens downward

c. a line that falls from left to right

d. a line that rises from left to right

1. What is the solution to the equation below?

**3(2x-4)+2(x+7)=6**

a. x = b. x= c. x= d. x=

1. A line has a slope of and passes through the origin. Which point lies on this line?

a. (-3, -1) b. (-1, 3) c. (3, -1) d. (3, 1)

1. Which equation is true for all of the values of x and y shown in the table?

|  |  |
| --- | --- |
| **x** | **y** |
|  | -2 |
|  | 2 |
| 1 | 1 |

a. y= b. y= c. y =4x d. y=x

**17.** Calculate:

a. 4-32 b. 4-2 c. 44 d. 412

1. Which expression is equivalent to the fraction shown below?
2. Vertex D of rectangle ABCD is located at (3, -6). A dilation of ABCE will result in the image A’B’C’D’. If the dilation is centered at the origin and has a scale factor of 2, what is the coordinate of D’?
   1. (1, -2)
   2. (6, -12)
   3. (5, -4)
   4. (-6, 3)
3. A system of equations is shown below.

2x + 5y = 8

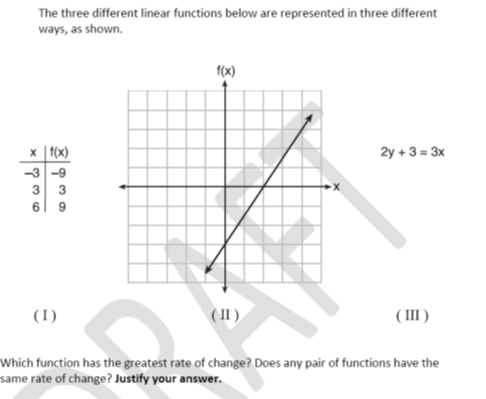
4x + 10y = 16

Which statement is about the ordered pair (-1 ,2 ) is true?

1. It is a solution to the first but not the second equation.
2. It is one of many solutions to the system.
3. It is not a solution to either equation.
4. It is the only solution in the system.

**SHORT ANSWER/CONSTRUCTED RESPONSE**

**QUESTION #21**

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**QUESTION # 22**

Solve the system of equations graphically.

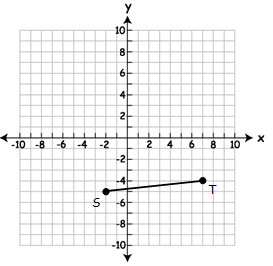


y =x

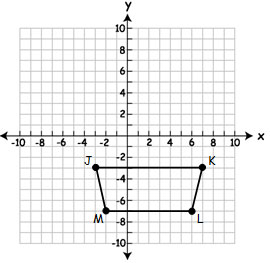
2y = -x + 8

**QUESTION #23**

If ST is reflected across the line y = x, what is the new coordinate point of T'? T’ ( )

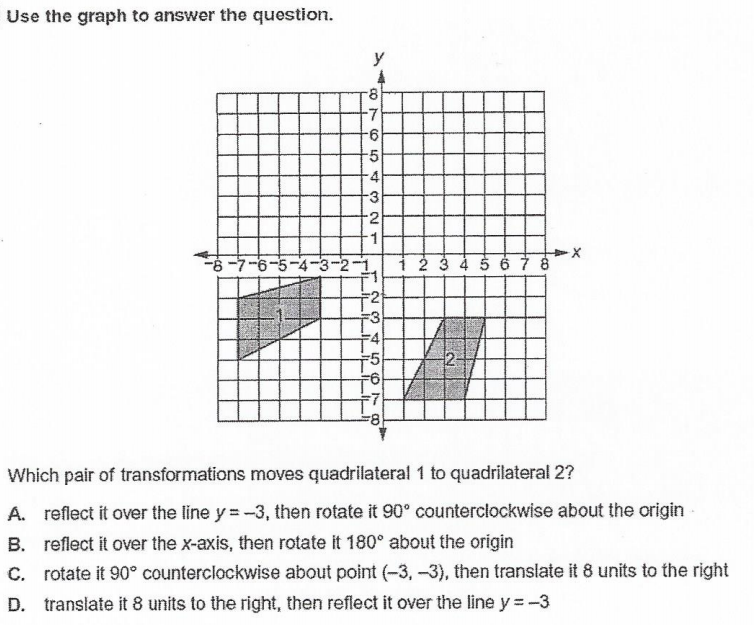


**QUESTION #24**

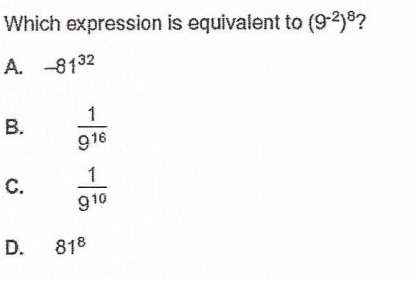
 Rotate trapezoid JKLM clockwise 180 degrees. Label trapezoid J’K’L’M’. What is the coordinate of J’ ( , )?

MULTIPLE CHOICE

**QUESTION #25**



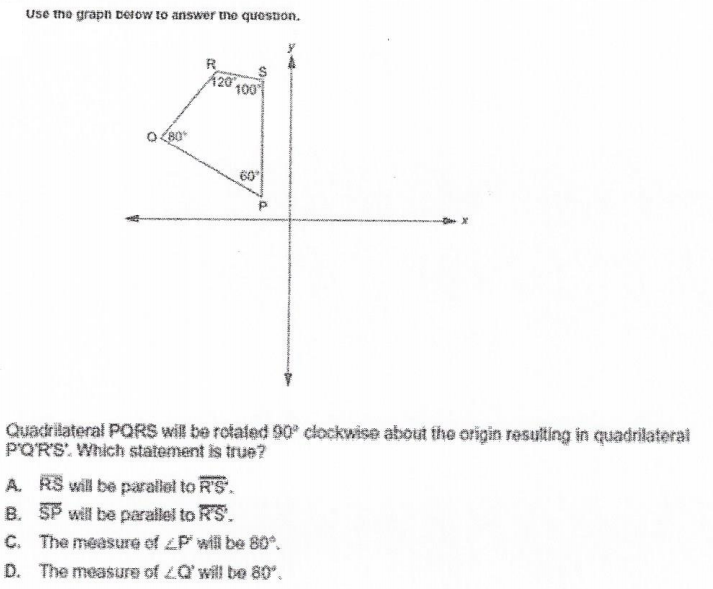
**QUESTION #26**

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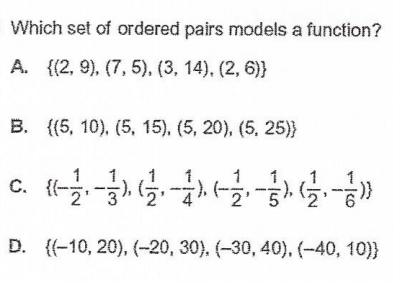
**QUESTION #27**

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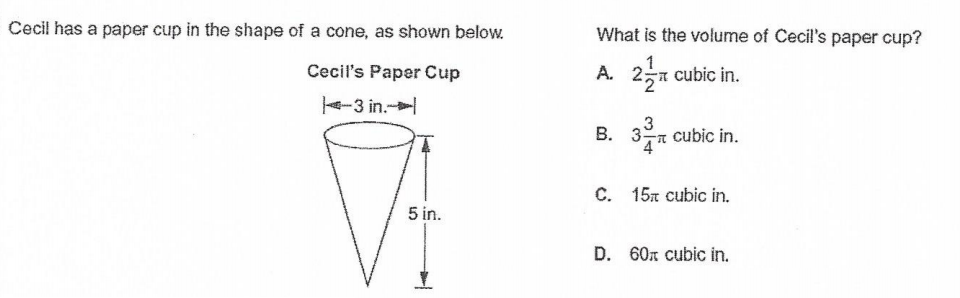
**QUESTION #28**

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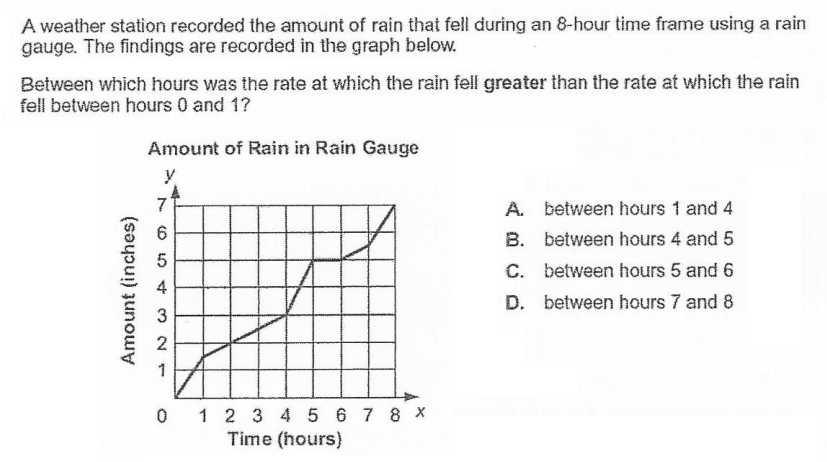
**QUESTION #29**

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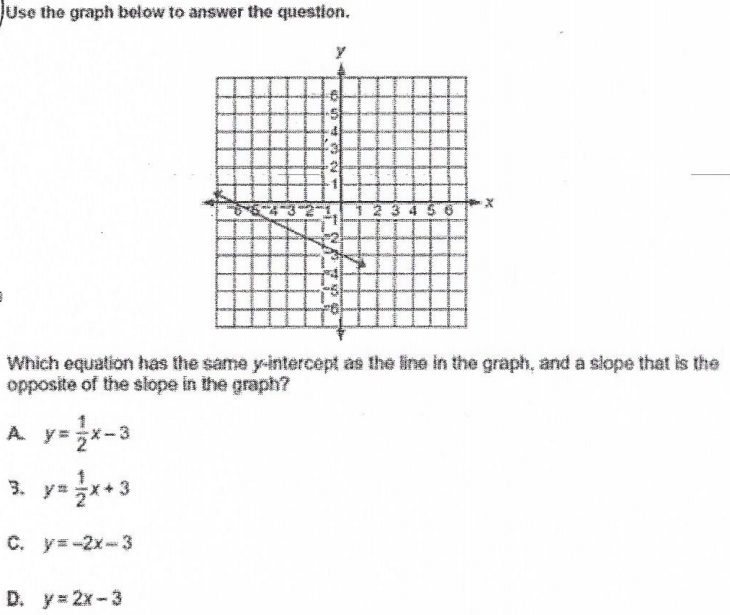
**QUESTION #30**

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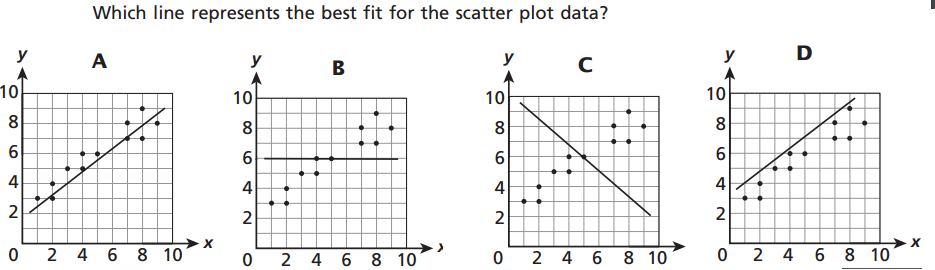
**QUESTION #31**

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**QUESTION #32**

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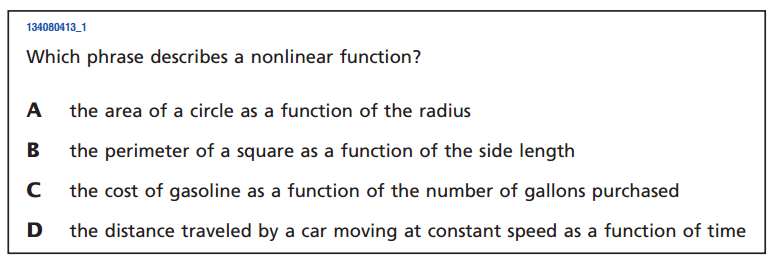
**QUESTION #33**

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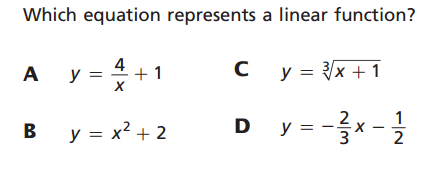
**QUESTION #34**



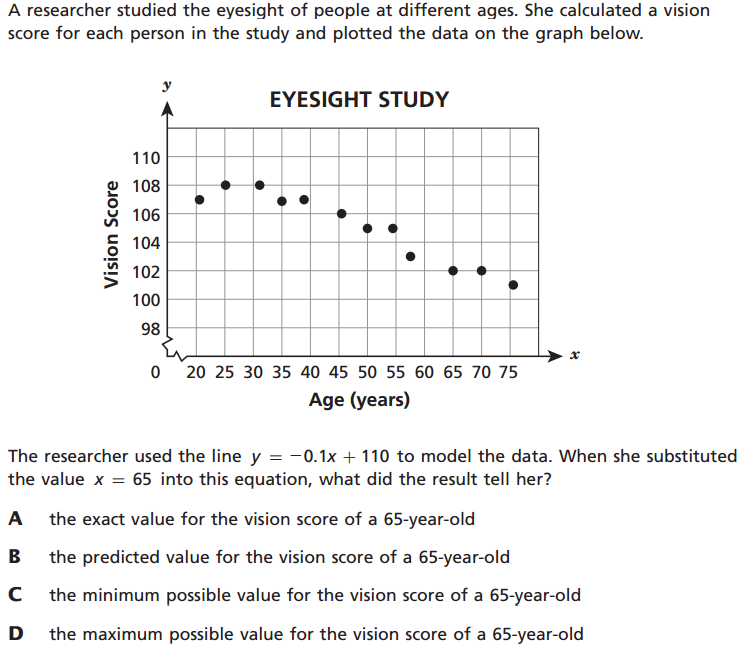
**QUESTION #35**

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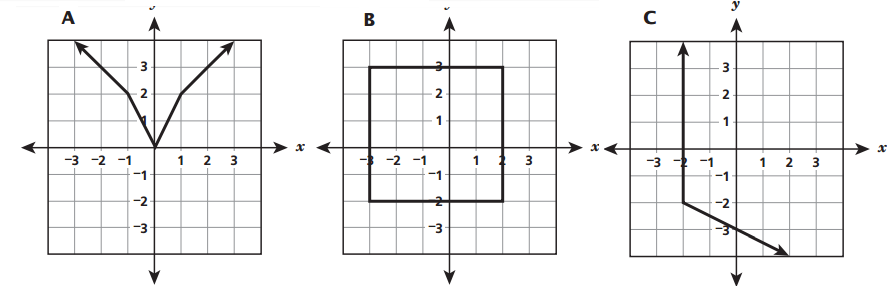
**QUESTION #36**

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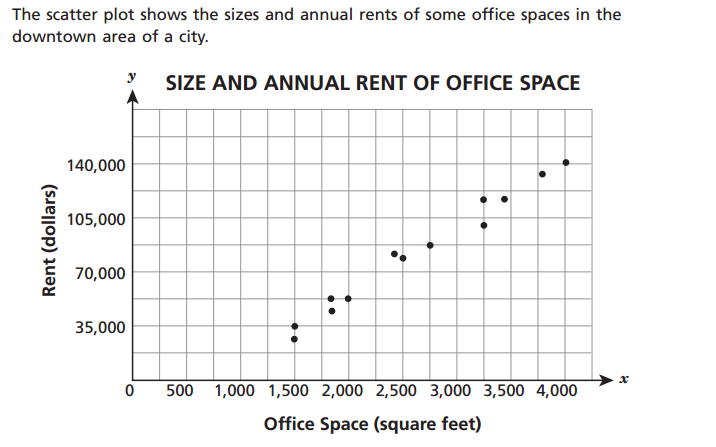
**QUESTION #37**

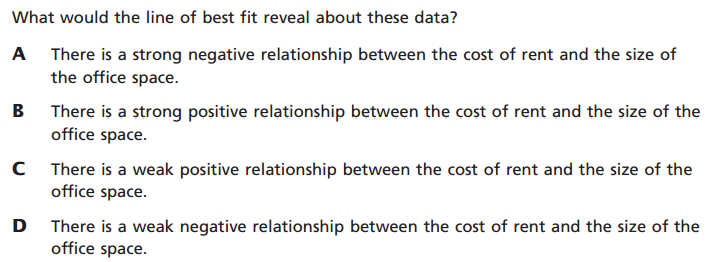
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**QUESTION #38 – Which graph represents a function**

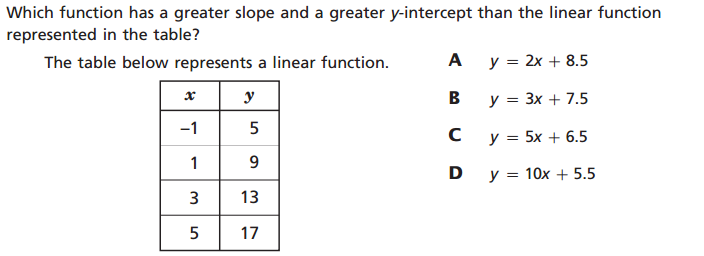
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**QUESTION #39**

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**QUESTION #40**

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**QUESTION #41**

