#1

Answer the question below by clicking on the correct response.

Abby hiked 2,500 meters along a trail at a nearby park each day for the last 5 days. How many kilometers did Abby hike in the last 5 days? (Note: 1,000 meters = 1 kilometer)

12,500,000

125,000

O 125

12.5

2500 m × 5 = 12,500

1 Km = 1000 m

1000

= 12,5

#2

Answer the question below by clicking on the correct response.

Justin claims that "All numbers that are divisible by 3 and 9 are also divisible by 27." Which of the following numbers can be used to prove that Justin's claim is incorrect?

O 54

O 81

X117

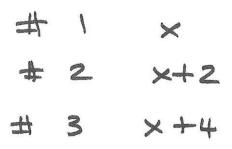
O 243

D. the divisce 4 27) 117 108

#3

Click on the answer box and type in a number. Backspace to erase.

The sum of 3 consecutive even integers is 204. What is the greatest of the 3 integers?



$$x + x + 2 + x + 4 = 204$$

$$3x + 6 = 204$$

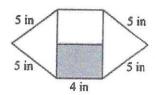
$$3x = 198$$

$$x = 66$$

$$2x + 4 = 70$$

#4

Answer the question below by clicking on the correct response.



The figure shows a hexagon consisting of two triangles and two rectangles. If the perimeter of the shaded rectangle is 14 inches, what is the area, in square inches, of the entire hexagon?

| 36 | 5 Parts |
|-------------|--------------------------------------|
| O 48 | PI. Find length of shaded side |
| O 54 | |
| O72 | 4x+y 4+x+4+x=14 |
| O 12 | 2x + 8 = 14 |
| | 2×=6 |
| | $\times = 3$ |
| | Pz Fundheight of A |
| | $c^2 = a^2 + b^2$ $32 - \frac{1}{2}$ |
| | |
| | $2.5 = 9 + b^{2}$ |
| | 16 = b = 4 |
| | A = b, $A = b$ |

P3. Find Area of [] A = lw = 6.4 = 24

P5 Add Area 24+24=48

P4, Fund Aver of D A = \frac{1}{2} bh = \frac{1}{2} 6.4 = 12 There are 2 \Delta's; 24

#5

Click on your choices.

For each of the given linear equations, indicate whether the equation is in standard form, slope-intercept form, point-slope form, or other.

| Equation | Standard form | Slope-intercept form | Point-slope form | Other |
|------------------------------|---------------|----------------------|------------------|-------|
| y - 6 = 2x | 0 | 0 | 0 | Ø |
| 3x - 5 = y | 0 | Ø | 0 | 0 |
| $y + 2 = \frac{1}{2}(x - 3)$ | 0 | 0 | 8 | 0 |
| 2x + 3y = 9 | Ø | 0 | 0 | 0 |

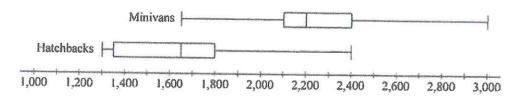
#6

Answer the question below by clicking on the correct response.

| Brand | Size | Cost |
|---------------|--------|---------|
| Rainbow Room | 20 oz. | \$5.00 |
| Bright Shades | 30 oz. | \$9.00 |
| Lehrer | 40 oz. | \$16.00 |
| Fun Color | 45 oz. | \$15.00 |

| cost per ounce? | sta of roal directory plends of paint. Fyl | non brand or pana one. | 2 110 1044621 |
|------------------------------------|--|------------------------|---------------|
| Rainbow Room OBright Shades Lehrer | Unit pr | LCe: P | orice |
| ○ Fun Color | Rambon | 5 = | . 25 |
| | Bright | 30 | . 30 |
| | Leher | 40 | 40 |
| | Fun | 15 | 33 |
| | Rainhau c | 1.001-1- | + |

Answer the question below by clicking on the correct response.

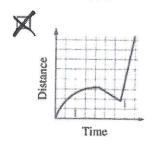


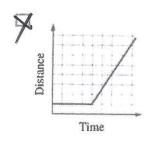
The boxplots shown summarize the prices, in dollars, of 20 low-mileage used minivans and the prices, in dollars, of 20 low-mileage hatchbacks as listed on an auto dealer's Web site. Which of the following statements is the best comparison of the minimum price of the minivans to the prices of the hatchbacks?

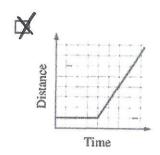
The minimum price of the minivans is greater than the prices of approximately 25% of the hatchbacks.
 The minimum price of the minivans is greater than the prices of approximately 50% of the hatchbacks.
 The minimum price of the minivans is greater than the prices of approximately 75% of the hatchbacks.
 The minimum price of the minivans is greater than the prices of approximately 100% of the hatchbacks.

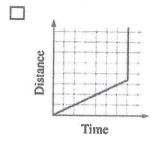
Click on your choices.

Which of the following graphs could represent the distance of an object from a given point as time passes? Select all that apply.









Answer the question below by clicking on the correct response.

Joan wants to cover her kitchen floor with tiles. The floor is in the shape of a rectangle with width 9 feet and length 12.5 feet, and each tile is in the shape of a square with side length 1 foot. The tiles are sold only by the box, and each box holds 10 tiles. The tiles will be placed such that there will be no overlapping of and no space between the tiles, and the tiles can be cut if necessary. If the entire kitchen floor is to be covered with tiles, what is the minimum number of boxes of tiles that Joan will need to buy?

09
010

$$A = 2 \omega$$

 $= 12.5 \cdot 9$
011
 $= 112.5$
 $180x = 1050^{\circ}$ $10)112.5$
11 full boxen + 1 more

#10

r.

Click on the answer box and type in a number. Backspace to erase.

$$(3x+6)(2x^2-cx+5)$$

For what value of c is the expression shown equivalent to $6x^3 - 9x + 30$?

$$(3x+6)(2x^{2}-cx+5)$$

$$= 6x^{3}-3cx^{2}+15x+12x^{2}-6cx+3c$$

$$* Nure us No x^{2} term$$

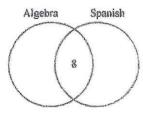
$$\therefore \Rightarrow -3cx^{2}+12x^{2}=0$$

$$= -3x^{2}(c-4)=0$$

'C=4

#11

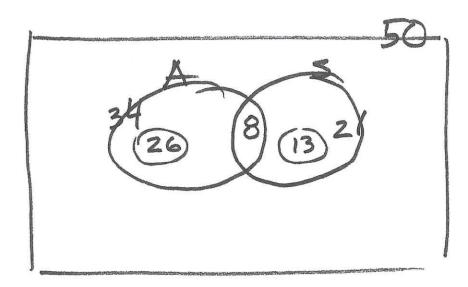
Answer the question below by clicking on the correct response.



The incomplete Venn diagram shows the results of a survey of 50 students. If 34 of the students are enrolled in algebra, 21 are enrolled in Spanish, and 8 are enrolled in both classes, how many of the students are enrolled in neither algebra nor Spanish?



()5



Just Alg 34-8=26Just Sp 21-8=13In classes 26+13+8=47Not in any 50-47=3

#12

Answer the question below by clicking on the correct response.

Which of the following is an equation of the line in the xy-plane that passes through the points (-2, -2) and (7, 11)?

$$\bigcirc 5x - 9y - 8 = 0$$

$$\bigcirc 9x - 5y + 8 = 0$$

$$\bigcirc 9x - 13y - 8 = 0$$

$$513x - 9y + 8 = 0$$

$$M = \Delta Y$$
, $\frac{-2-11}{\Delta Y} = \frac{-13}{-9}$

$$y-y_1=m(x-x_1)$$

$$Y-(-2)=\frac{13}{9}(x-(-2))$$

$$y+2=\frac{13}{9}(x+2)$$

$$0 = 13x - 9y + 8$$

#13

Click on your choices.

• Line a:
$$y = \frac{2}{5}x + 1$$

• Line b:
$$y = \frac{5}{2}x + 4$$

• Line c:
$$y = -\frac{2}{5}x - 2$$

• Line of:
$$y = \frac{5}{2}x + 5$$

Indicate whether each of the following statements about lines a, b, c, and d is true or false.

| Statement | True | False |
|------------------|------|----------|
| Line a 1 line c | 0 | ☆ |
| Line b line d | Ø | 0 |
| Line b ⊥ line c | Ø | 0 |
| Line a ⊥ line b | 0 | × |

I lines; meg recip m

#14

Answer the question below by clicking on the correct response.

The function f is defined by f(x) = -2x + 8. If the Interval [-2, 6] represents the domain of f, which of the following intervals represents the range of f?

$$\bigcirc$$
[-12,-4]

$$\bigcirc$$
 [-4.4]

$$f(-z) = -2(-z) + 8$$

$$f(6) = -2(6) + 8$$

Range [-4, 12]