

- 1 Which of the following numbers are rational? Write them in the box.

-7 0 $\sqrt{6}$ $\frac{12}{5}$ $0.\overline{72}$ $-\sqrt{9}$ $\sqrt{8}$ π

- 2 The largest continent has an area of approximately 4.5×10^7 square kilometers. The smallest continent has an area of approximately 7.7×10^6 square kilometers.

Circle an option from each set to correctly complete the statement.

The area of the largest continent is \times
 square kilometers larger than the area
of the smallest continent.

- 3 Which of the following equations has a graph that is a straight line? Select **all** that apply.

A $y = \frac{1}{x-1}$

B $y = \frac{1}{2} - x$

C $y = (x + 2)^2$

D $y = \sqrt{x} - 2$

E $y = 2x + 1$

F $y = 2x^2 + x$

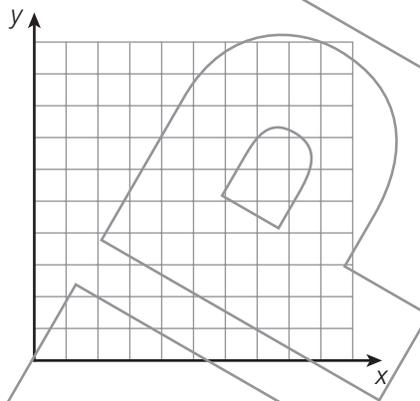
GO ON →

- 24 Kelly and Chula made jewelry at a bead shop. This table shows the relationship between x , the number of beads Kelly used, and y , the total cost of the necklace she made.

Number of Beads	Total Cost (\$)
5	3.25
15	4.75
25	6.25
35	7.75

Part A

Use this coordinate plane to plot the points in the table.



Part B

Circle an option from each set to correctly complete the statement.

The relationship on the coordinate plane in Part A is

because

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Part C

Chula used 6 beads that cost \$0.35 each. She paid a total of \$4.10 for the earrings she made. Both girls paid a studio fee based on the type of jewelry they made.

Which girl paid a smaller studio fee? Write your answer in the box.

Part D

Kelly also made a pair of earrings and paid the same studio fee as Chula did in Part C.

Which of the following options could describe the cost of the earrings Kelly made? Select **all** that apply.

- A** 4 beads at \$0.55 each; total cost \$4.20
- B** 4 beads at \$0.60 each; total cost \$3.90
- C** 6 beads at \$0.15 each; total cost \$3.40
- D** 6 beads at \$0.20 each; total cost \$3.20
- E** 6 beads at \$0.25 each; total cost \$3.50
- F** 8 beads at \$0.25 each; total cost \$4.50

GO ON →