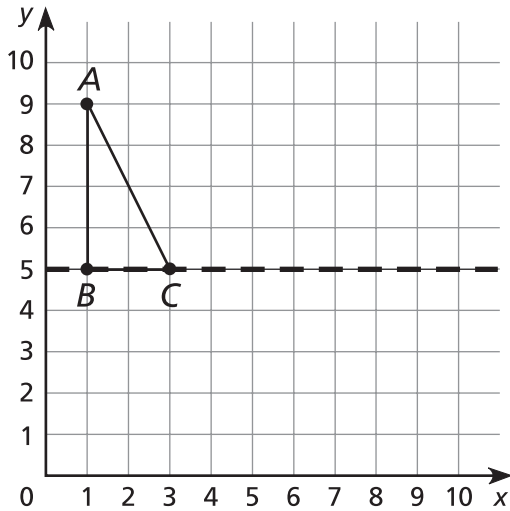


Write the correct answer.

For 1–6, use the grid.



- 1 What are the coordinates of the vertices of triangle ABC ?

$A(1,9), B(1,5), C(3,5)$

- 2 Triangle ABC is translated 4 units right and 2 units down. What are the coordinates of A' , B' , and C' after the translation?

$A'(5,7), B'(5,3), C'(7,3)$

- 3 Triangle ABC is translated so that A' is at $(2,6)$, B' is at $(2,2)$, and C' is at $(4,2)$. What is the rule for the translation?

right 1, down 3

- 4 Triangle ABC is rotated 90° clockwise around vertex C . What are the coordinates of A' ?

$(7,7)$

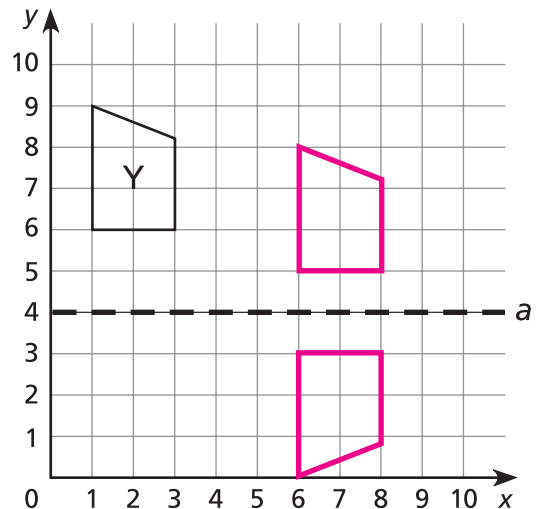
- 5 Triangle ABC is reflected so that the vertices of A' are $(9,9)$ and B' are $(9,5)$. What are the coordinates of C' ?

$(7,5)$

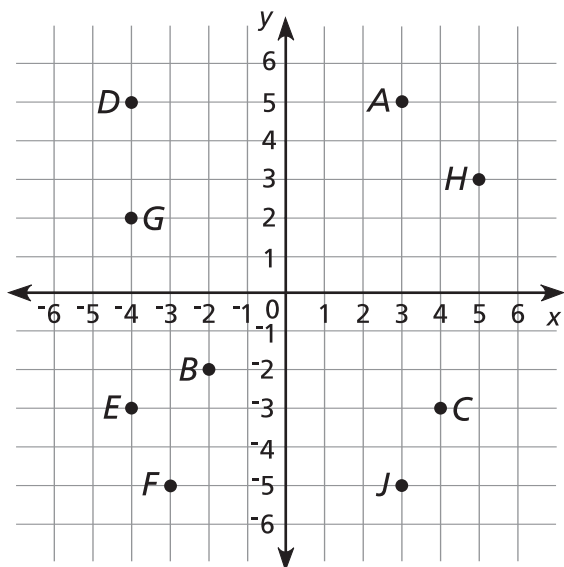
- 6 Triangle ABC is reflected over the dotted horizontal line. What are the coordinates of A' ?

$(1,1)$

- 7 Translate figure Y using the rule *right 5, down 1*. Draw the image. Then reflect the translation over the dotted horizontal line. Draw the image.



For 8–11, use the grid.



8 What are the coordinates of point C?

(4, -3)

9 Which point is at (-4, -3)?

E

10 Which point is at (3, -5)?

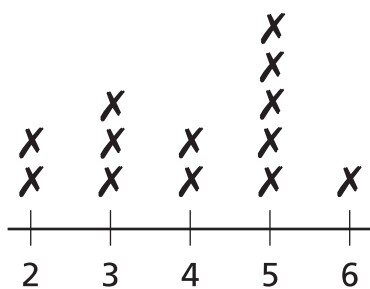
J

11 Which point or points have the same first coordinate as point E?

points D and G

For 12–16, use the frequency graph.

LENGTHS OF SEA SHELLS COLLECTED (IN INCHES)



12 How many shells were collected?

13 shells

13 What is the range of lengths of shells collected?

4 inches

14 What is the median length of shells collected?

4 inches

15 What is the mode length of shells collected?

5 inches

16 What is the mean length of the shells collected?

4 inches