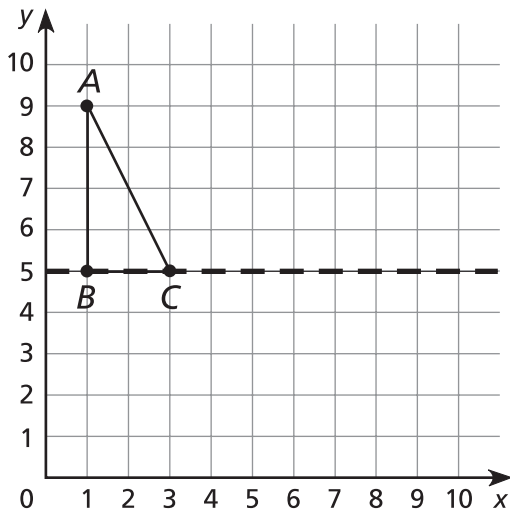


Write the correct answer.

For 1–6, use the grid.



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

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

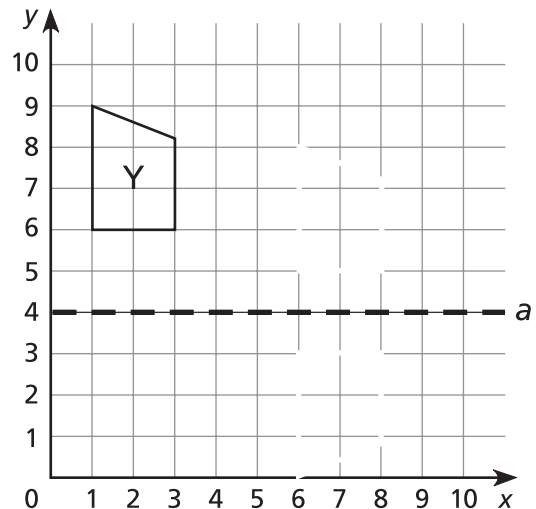
3 Triangle ABC is translated so that A' is at $(2, 6)$, B' is at $(2, 2)$, and C' is at $(4, 2)$. What is the rule for the translation?

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

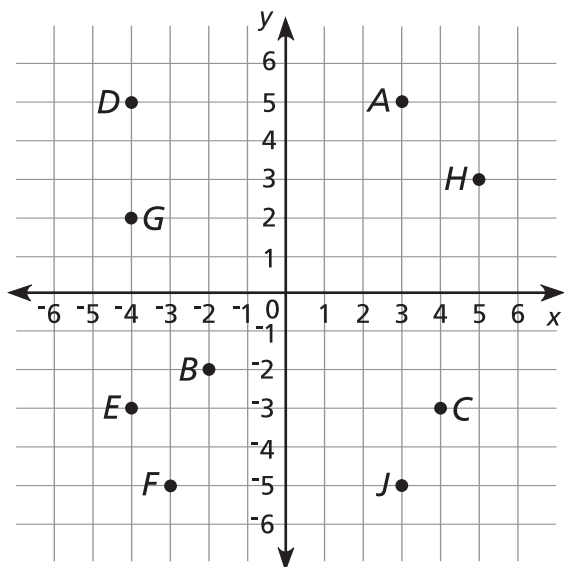
5 Triangle ABC is reflected so that the vertices of A' are $(9, 9)$ and B' are $(9, 5)$. What are the coordinates of C' ?

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

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?

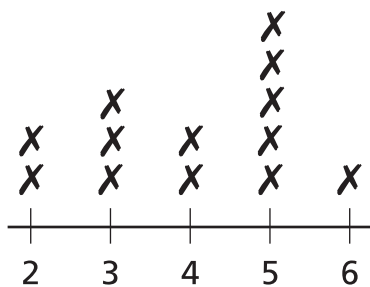
- 9 Which point is at $(-4, -3)$?

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

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

For 12–16, use the frequency graph.

LENGTHS OF SEA SHELLS COLLECTED (IN INCHES)



- 12 How many shells were collected?

- 13 What is the range of lengths of shells collected?

- 14 What is the median length of shells collected?

- 15 What is the mode length of shells collected?

- 16 What is the mean length of the shells collected?
