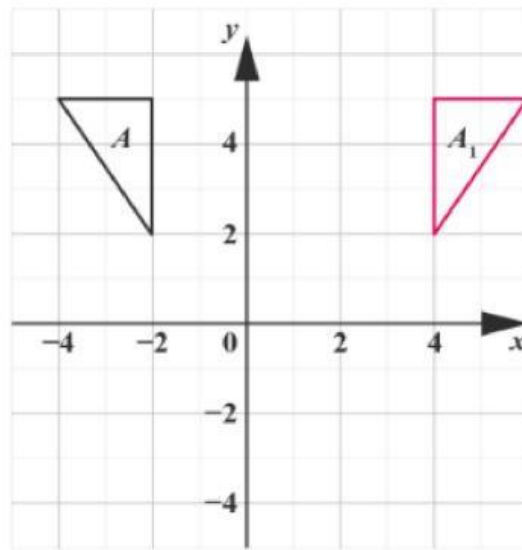


1.

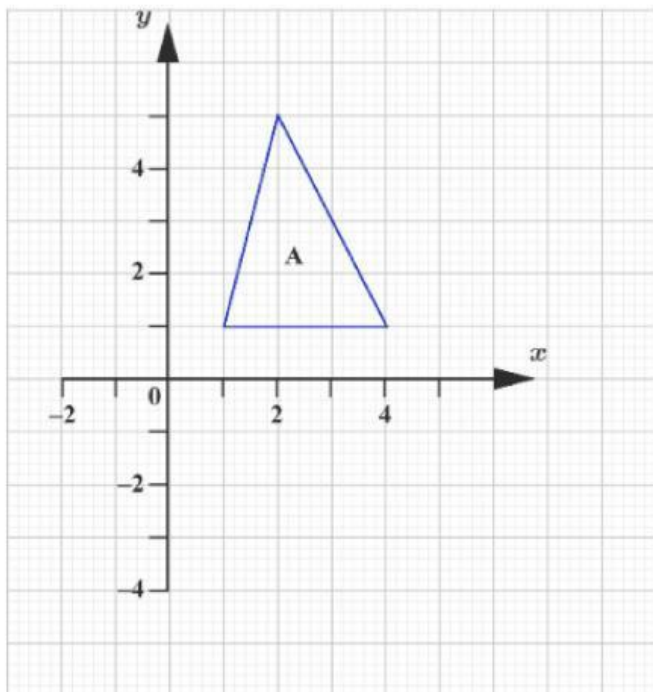
Shape A has been reflected to image A_1 .



What is the equation of the line that acts as a mirror?

2.

Shape A is reflected in the line $x = 4$.



The coordinates of the new image, A_1 , are:

1 (1, 4), (4, 4), (2, 8)

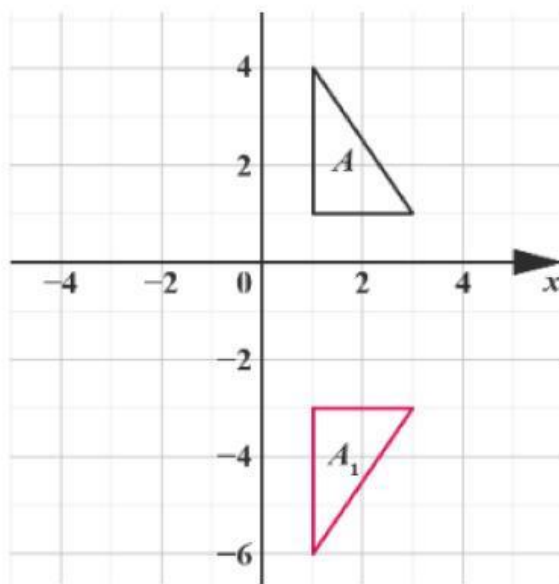
2 (2, 3), (1, 7), (4, 7)

3 (4, 1), (7, 1), (5, 5)

4 (4, 1), (7, 1), (6, 5)

3.

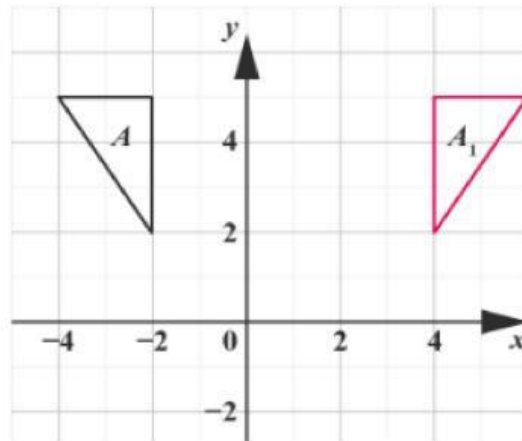
Shape A has been reflected to shape A_1 .



What is the equation of the line that acts as the mirror?

4.

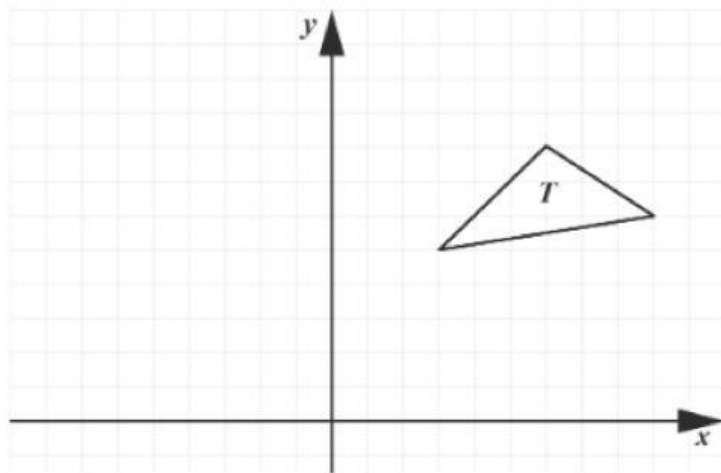
Shape A has been reflected to image A_1 .



What is the equation of the line that acts as a mirror?

5.

Triangle T has vertices with coordinates $(3, 5)$, $(9, 6)$ and $(6, 8)$.



The triangle is reflected in the line $y = 4$ to give triangle T' .

Triangle T' is reflected in the line $x = 1$ to form triangle T'' .

What are the coordinates of T'' ?

6.

Triangle T has one vertex at the point with coordinates $(7, -5)$.

The triangle is reflected in the x -axis to form triangle T' .

Triangle T' is reflected in the line $y = x$ to form triangle T'' .

What are the new coordinates of the vertex after the combined transformation?