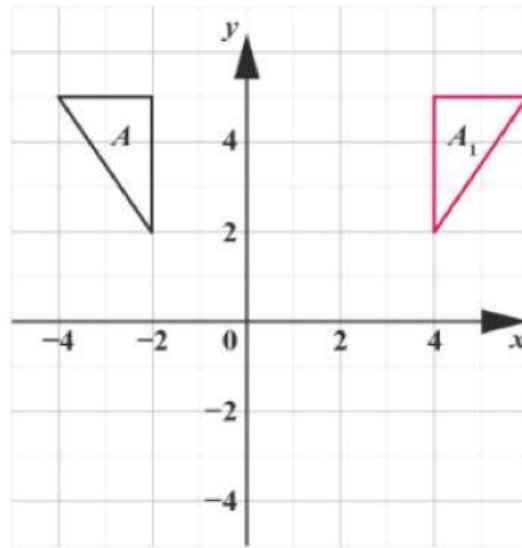1.
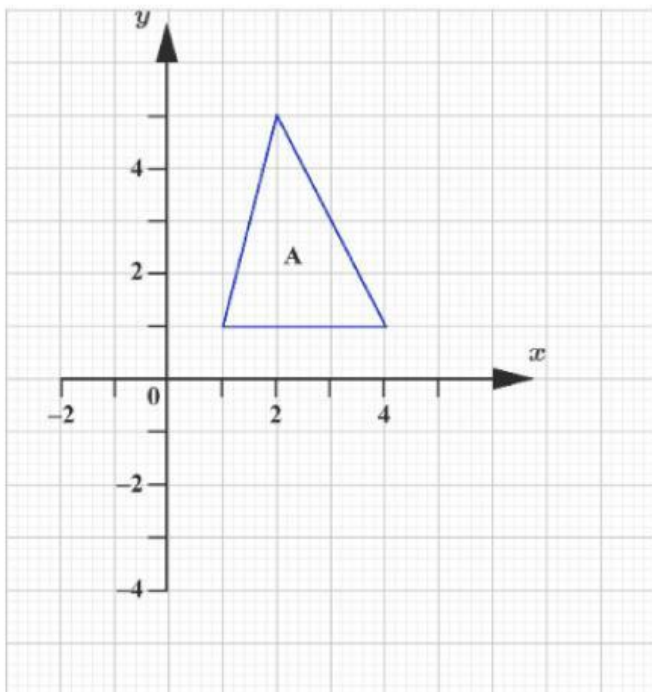
Shape A has been reflected to image A_1.

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

2.

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

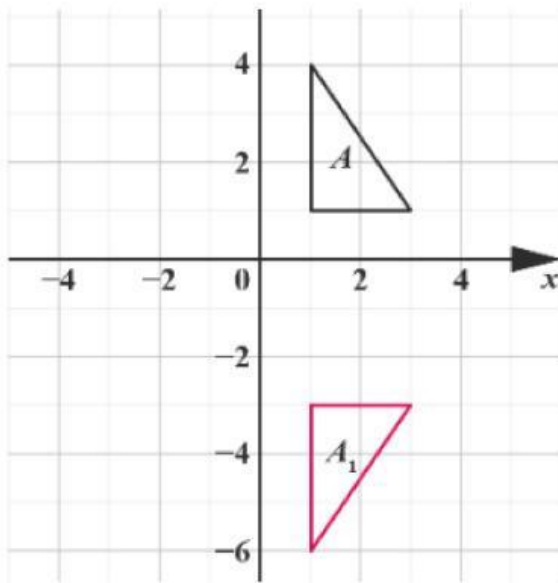The coordinates of the new image, A_1, are:

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

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

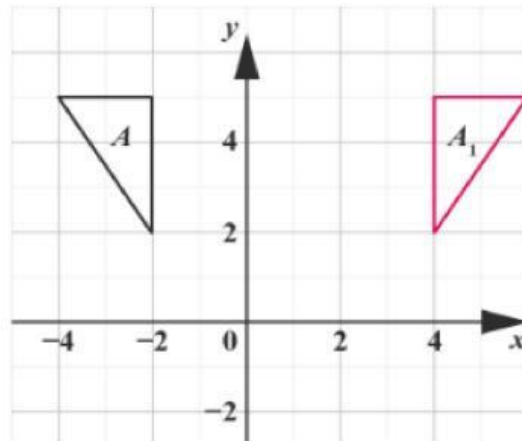3. (4, 1), (7, 1), (5, 5)

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

3.

Shape A has been reflected to shape A_1.

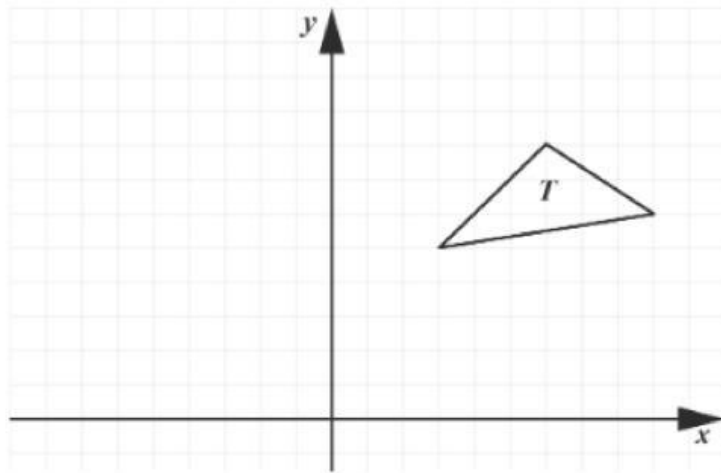What is the equation of the line that acts as the mirror?

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 coordintes of the vertex after the combined transformation?