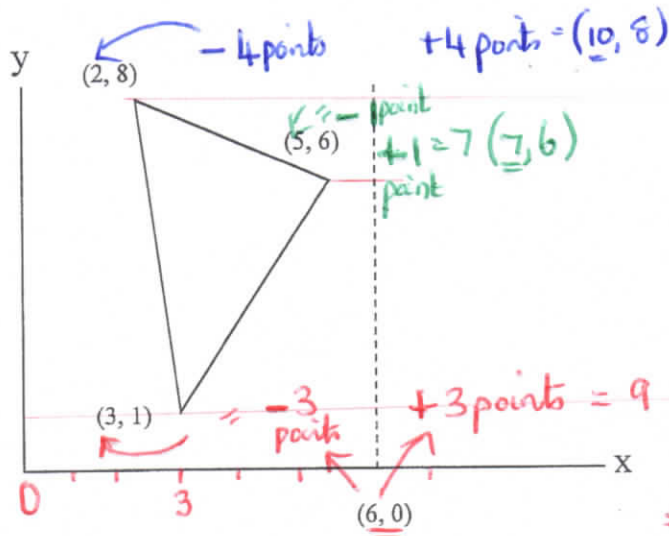


Q.33. The diagram below shows a **triangle**. This triangle is to be **reflected** in the **dotted mirror line**. The dotted line passes through the point with co-ordinates **(6,0)** and is **parallel to the y axis**. Each of the **3 vertices** of the triangle is reflected to give **3 new points**. These are joined to form a **new triangle**.



* Calculate the distance for the 'x' values from (6,0) eg. (3,1) to (6,0) is the distance of 3 points ∴ the new point will be 3 points from (6,0) i.e. (9,1)

* Imagine drawing horizontal lines

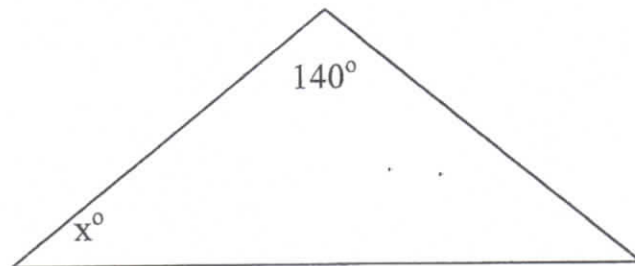
Complete the table below by writing in the **co-ordinates** of the **vertices** of the new triangle. Two vertices have been done for you.

Vertex	Reflected vertex
(5, 6)	(7, 6)
(2, 8)	(10, 8)
(3, 1)	(9, 1)

* notice that the second part of the co-ordinate (ie the y part) is the same each time ∴ the will be the same (3,1) = (9,1)

the same!

34. The **triangle** below is **isosceles**.



Calculate the value of the angle x° . Write your answer in the space below.

_____ °