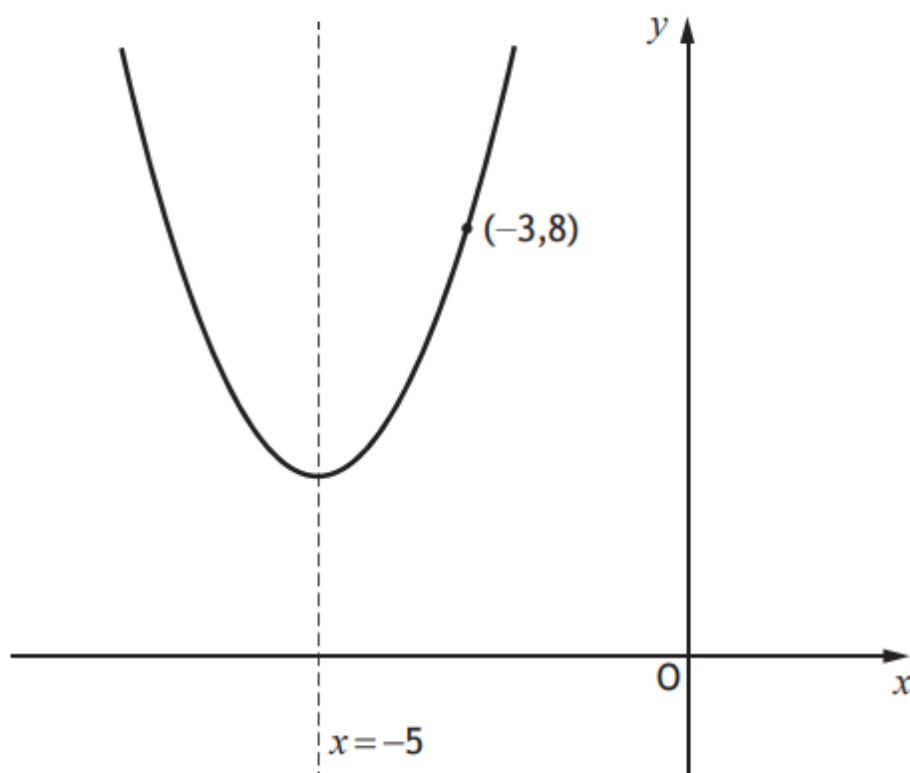The graph below shows a parabola with equation of the form $y = (x+a)^2 + b$.

The equation of the axis of symmetry of the parabola is $x = -5$.

(a) State the value of a.   **1**

The point $(-3,8)$ lies on the parabola.

(b) Calculate the value of b.   **2**

Answers:

(a) $a = 5$
(b) $b = 4$