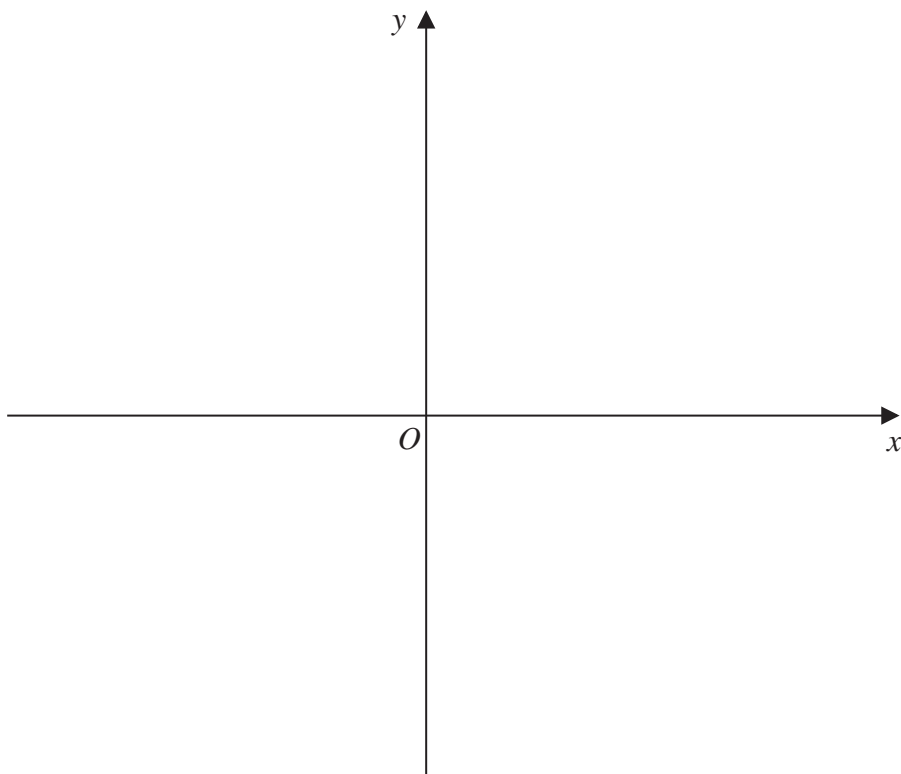


23 Sketch the graph of

$$y = x^2 - 6px - 7 \quad \text{where } p > 0$$

showing the coordinates of the turning point, in terms of p , and the coordinates of the intercept with the y -axis.

You must show all your working.



(Total for Question 23 is 5 marks)