

7 In this question you must show detailed reasoning.

Fig. 7 shows the curve  $y = 5x - x^2$ .

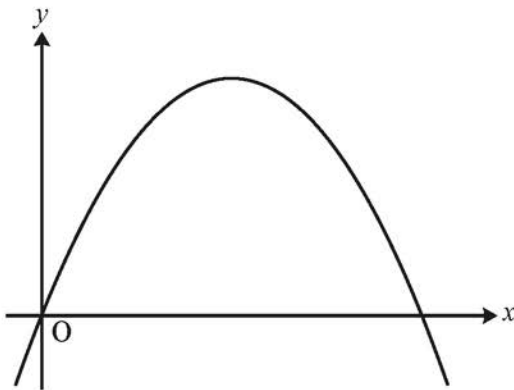


Fig. 7

The line  $y = 4 - kx$  crosses the curve  $y = 5x - x^2$  on the x-axis and at one other point.

Determine the coordinates of this other point.