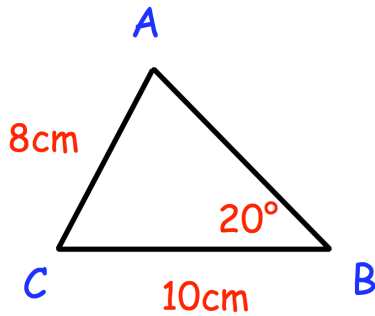


**28th September**

Corbettmaths

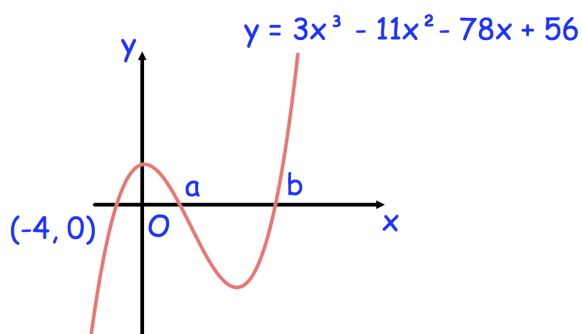
Expand and simplify fully

$$(x + 4)(x - 3)^2$$



Work out the difference in areas between the two possible triangles ABC.

Below is the graph of  
 $y = 3x^3 - 11x^2 - 78x + 56$



Find the coordinates of the points  $a$  and  $b$ , where the graph of  
 $y = 3x^3 - 11x^2 - 78x + 56$   
 crosses the x-axis.