
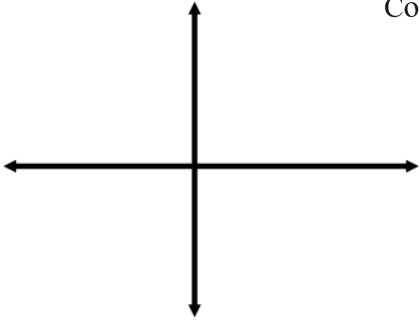
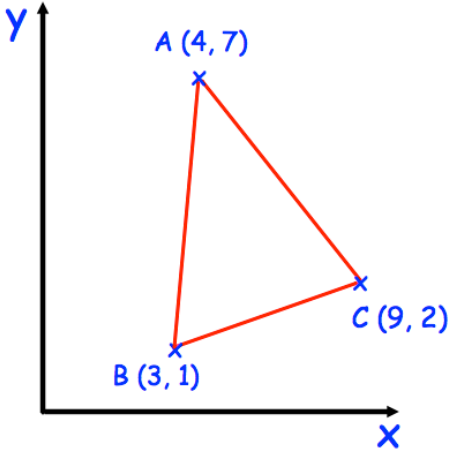


28th March 	
<p>Sketch</p> $y = x(x + 2)(x - 4)$ <p>showing the coordinates where the curve meets the axes.</p>	
<p>Shown is an isosceles triangle ABC. Find the area of the triangle.</p>	
<p>Factorise fully</p> $100y - 9y^3$	
<p>A website had 300 visitors in month 1 and the number of visitors increases by 40 each month.</p> <p>After how many months will the total number of visitors to the website exceed one million?</p>	
<p>The curve $y = x^3 + 3x^2 + 3x + 1$ has two tangents drawn at the point $x=1$ and at the point P.</p> <p>The two tangents are parallel.</p> <p>Find the coordinates of P.</p>	