
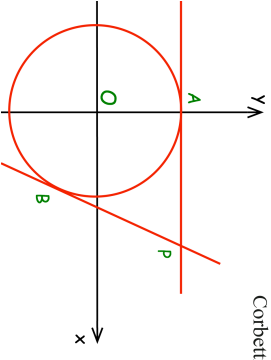
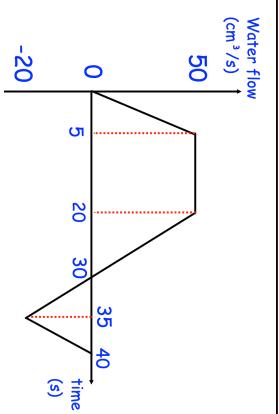

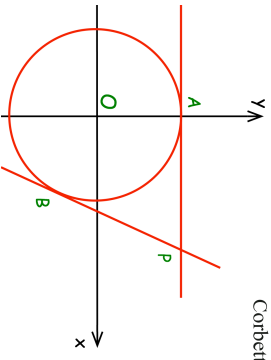
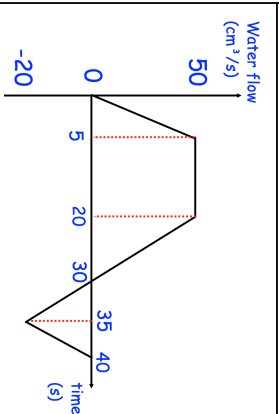


1st February	
<p>The circle $x^2 + y^2 = 25$ has tangents at the points A and B.</p> <p>The point A has coordinates (0, 5) The point B has coordinates (3, -4)</p> <p>The tangents meet at the point P.</p> <p>Work out the coordinates of the point P.</p>	
<p>The graph above shows information on how an empty container is being filled with water.</p> 	<p>What happens between 30 and 40 seconds?</p> <p>How much water is in the container after 40 seconds?</p>
<p>The first five terms of a quadratic sequence are:</p> <p>30 36 46 60 78</p>	<p>Work out the nth term</p>

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