
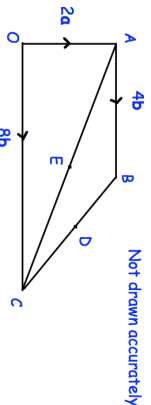

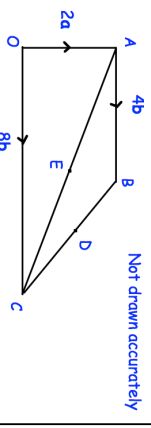


7th June	Corbettmaths 
<p>On 1st March 2001, the ratio of Freddie's age to his mother's age was 1:11</p> <p>On 1st March 2018, the ratio of Freddie's age to his mother's age was 2:5</p>	<p>Write the ratio of Freddie's age to his mother's age on 1st March 2030</p>
<p>$\vec{OA} = 2a$ $\vec{AB} = 4b$ and $\vec{OC} = 8b$</p> <p>Point D is the midpoint of BC. Point E is the midpoint of AC.</p> <p>Show \vec{ED} and \vec{OC} are parallel</p> 	
<p>Express $\frac{\sqrt{3} + 2}{2 - \sqrt{3}}$ in the form $a + b\sqrt{3}$ where a and b are integers.</p>	
<p>The line / is a tangent to the circle $x^2 + y^2 = 104$ at the point P. P is the point (10, 2)</p> <p>Work out the equation of the line /</p>	

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