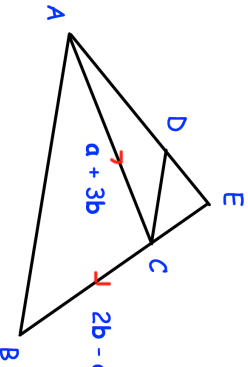
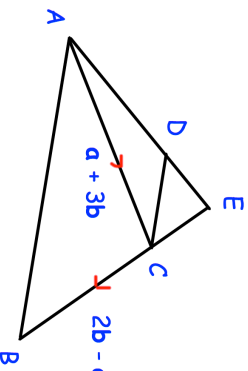


4th November	Corbettmaths	
A circle has equation	$x^2 + y^2 = \frac{1}{9}$	
Write down the length of its radius		
	Find the vector \vec{AB}	Prove DC is parallel to AB
$\vec{EC} = \frac{1}{4}\vec{CB}$ $\vec{DE} = \frac{1}{4}a$		
<p>There are x apples in a crate. 4 of the apples are bad.</p> <p>Fiona chooses two apples from the crate, without replacement. The probability she selects two bad apples is $\frac{1}{11}$</p>	Prove $x^2 - x - 132 = 0$	Find x , the number of apples in the crate.

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