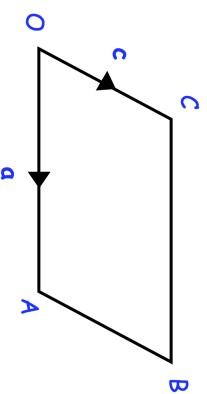
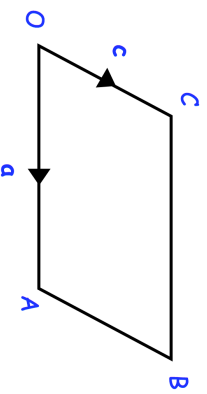


7th May		Corbettmaths	
The final velocity of a travelling object is given by the formula, $v = u + at$	Calculate the upper bound for t.		
where v is the final velocity u is the initial velocity a is the acceleration and t is the time.			
Given $u = 5.4\text{m/s}$ correct to 1 decimal place $a = 4.9\text{m/s}^2$ correct to 1 decimal place $v = 25.32$ correct to 2 decimal places	Calculate the lower bound for t.		
 <p>OABC is a parallelogram $\vec{OA} = a$ $\vec{OC} = c$</p> <p>Y is the midpoint of AC OAD is a straight line where OA:AD = m : 1</p>	Given that $\vec{YD} = 6a - \frac{1}{2}c$ Find the value of k		
Prove that $3n(3n + 4) + (n - 6)^2$ is positive for all values of x			

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