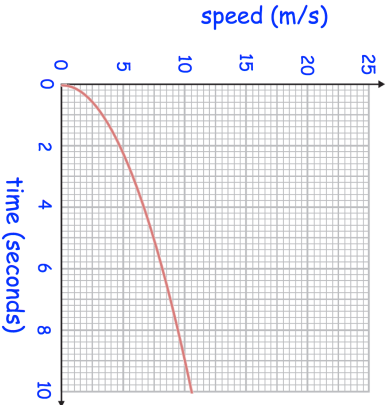
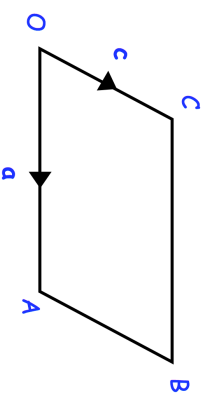
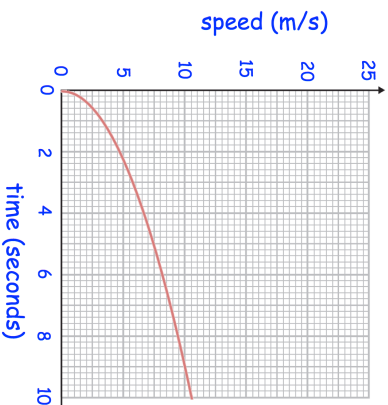
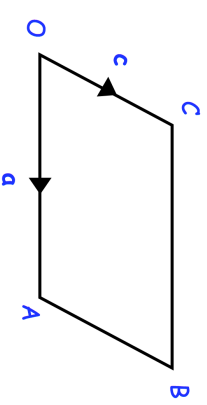


| 29th August  |   | Corbettmaths   |  |
|--|---|--|--|
| <p>Work out an estimate for the acceleration of the car at <math>t = 1</math>.</p>   |  | <p>Work out an estimate for the acceleration of the car at <math>t = 9</math>.</p> | <p>Shown is the first 10 seconds of the journey of a car</p> |
|  |   |  |  |
| <p>OABC is a parallelogram</p> <p><math>\vec{OA} = a</math>    <math>\vec{OC} = c</math></p> <p>Y is the midpoint of AC<br/>OAD is a straight line where OA:AD = m : 1</p>  | <p>Given that</p> $\vec{YD} = 7a - \frac{1}{2}c$ <p>Find the value of m</p>         |  |  |

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