
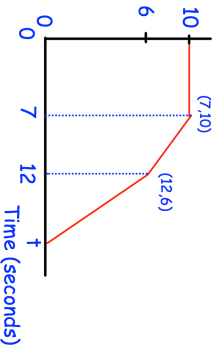

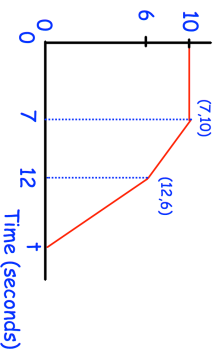


26th April	 Corbettmaths
Show the equation $3x^3 + 7x = 5$ has a solution between 0 and 1	
Show that $3x^3 + 7x = 5$ can be rearranged to give	
$x = \frac{5}{7} - \frac{3x^3}{7}$	
Starting with $x_0 = 0$ use the iteration formula $x_{n+1} = \frac{5}{7} - \frac{3x_n^3}{7}$ three times to find an estimate for the solution to $3x^3 + 7x = 5$	
$\text{Speed (m/s)}$  <p>The average speed from 0 to t seconds was 5.96m/s</p>	Find t  Find the rate of deceleration from 7 to 12 seconds.

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