

15th June

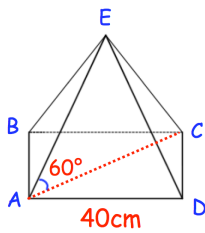


Corbettmaths

Tom and Ben sit their driving test.  
The probability Tom passes is 0.4.  
The probability that only one man passes is 0.56.

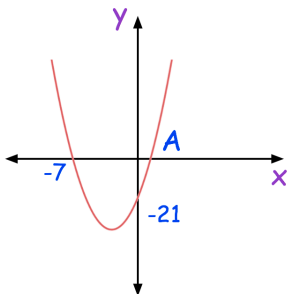
Find the probability they both fail.

Here is a square based pyramid.



Calculate the volume of the pyramid.

Melanie draws the graph of  $y = x^2 + ax + b$



Find the coordinates of the point A

The graph crosses the x-axis at the points  $(-7, 0)$  and **A**

The graph crosses the y-axis at the point  $(0, -21)$

Find the coordinates of the turning point

Shown is a right angled triangle.  
Find the possible value(s) of  $x$ .

