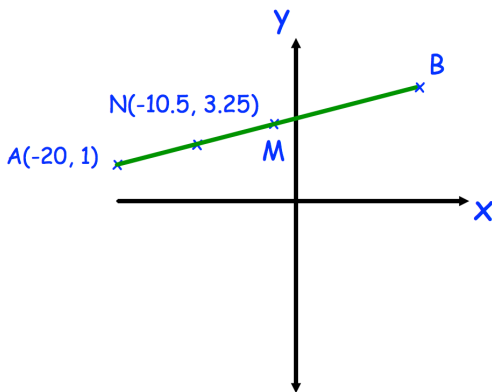


**24th August**

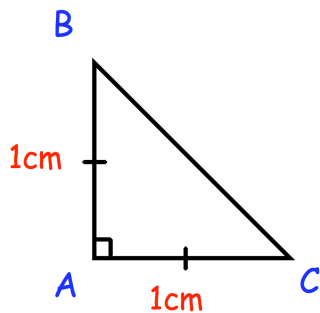
Corbettmaths



Find the coordinates of the point B

Find the length of AB.

M is the midpoint of AB  
N is the midpoint of AM

The  $2 \times 2$  matrix **I** is the identity matrix.Write down the  $2 \times 2$  matrix **I**Show that  $\sin 45^\circ = \frac{\sqrt{2}}{2}$ A curve has equation  $y = x^2 + 4x - 5$ 

Work out the equation of the tangent to  
the curve  $y = x^2 + 4x - 5$   
at the point  $(2, 7)$