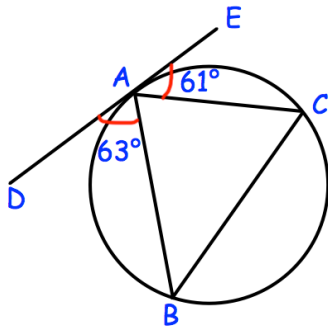


21st August



Corbettmaths

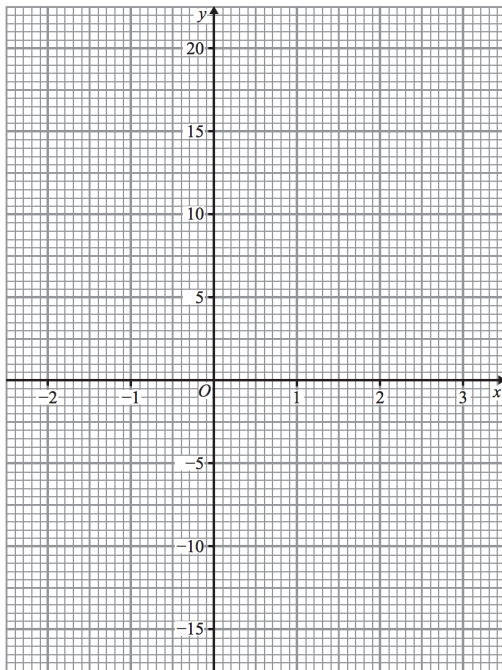


Find angle BAC.

Find angle ACB.

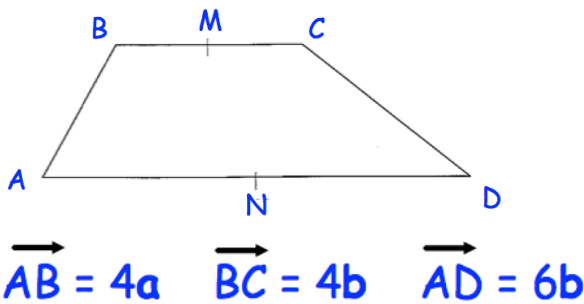
A car travels at 50mph, correct to 1 significant figure. It covers a distance of 300 miles, correct to 2 significant figures.

Calculate the **least** possible time taken.



Draw the graph of  $y = x^3 - 2$  for the values of  $x$  from  $-2$  to  $2$ .

Use your graph to find an approximate answer to  $x^3 - 3 = 0$



M is the midpoint of BC.  
N is the midpoint of AD.

Find  $\vec{MN}$