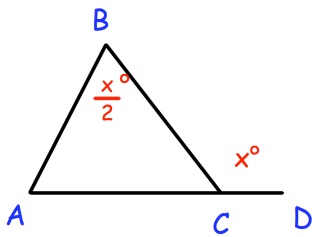


**30th May**

Corbettmaths

The bearing of B from A is  $x$ , where  $x$  is less than  $180^\circ$

Prove the bearing of A from B is  $(180 + x)^\circ$



Prove triangle ABC is isosceles

The tangent at the point A of the curve  $y = 2x^2 - 3x + 3$  is perpendicular to the line  $2x + y = 4$

Work out the coordinates of A.

Solve

$$4\cos^2 x + 9\sin x = 6$$

for  $0^\circ < x < 360^\circ$