Name: _____ 5-a-day Higher Plus

8th March

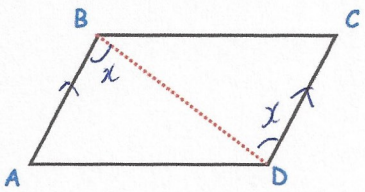
Corbettmaths

Rationalise the denominator of

$\frac{3}{\sqrt{6}}$

$\frac{3}{\sqrt{6}} \times \frac{\sqrt{6}}{\sqrt{6}} = \frac{3\sqrt{6}}{6}$

$\frac{\sqrt{6}}{2}$



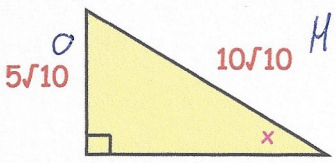
$\angle ABD = \angle BDC$ (alternate)

$AB = DC$ (opposite sides of a parallelogram)

ABCD is a parallelogram
Prove triangles ABD and BCD are congruent.

BD (shared)

(SAS)

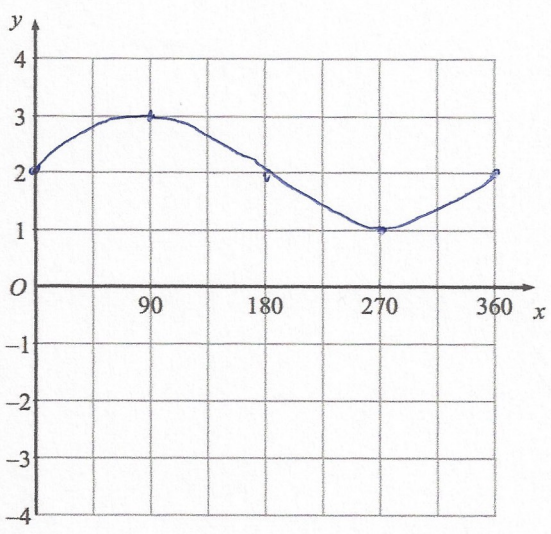


Find x

$\sin x = \frac{5\sqrt{10}}{10\sqrt{10}} = \frac{1}{2}$

$x = 30°$

Sketch $y = 2 + \sin x$



Sketch $y = 3 - \cos x$