20th May **Higher Plus 5-a-day**

Corbettmaths

sin (x°) = –0.5

Write down 3 different possible values of x

$f(x) = \dfrac{4x - 1}{x + 8}$

Work out $f^{-1}(x)$

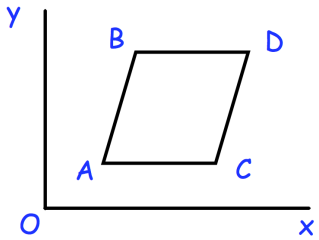
Solve the simultaneous equations

$x^2 + y^2 = 1$
$x + 2y = 1$

ABCD is a rhombus

The coordinates of B are (14, 22)

The equation of diagonal AD is $y = \frac{2}{3}x + 4$



Find the equation of diagonal BC

Find the exact length of the diagonal BC