

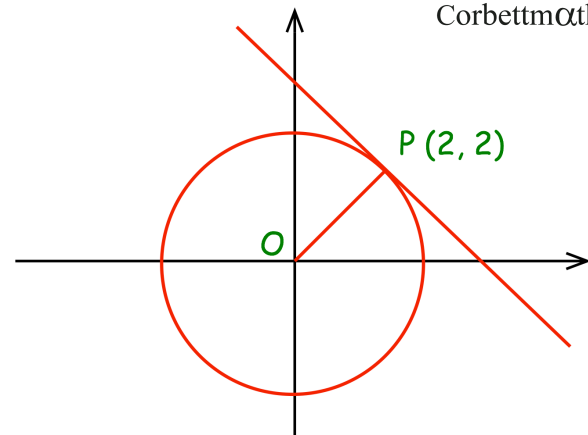
12th September



Corbettmaths

The diagram shows the circle $x^2 + y^2 = 8$ with a tangent at the point $(2, 2)$

Find the gradient of the line OP.



Find the gradient of the tangent

Find the equation of the tangent

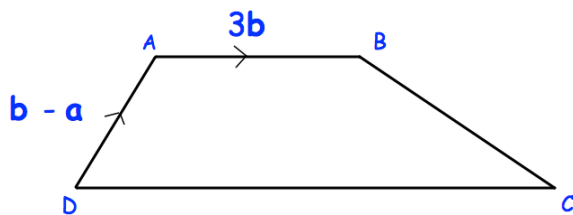
The length of the base of a triangle and its perpendicular height are:

base: $\frac{x + 5}{10}$ cm

height: $\frac{x - 1}{4}$ cm

Find an expression for the area of the triangle.

ABCD is a trapezium



\overrightarrow{DC}

AB and DC are parallel.
DC = 2AB

\overrightarrow{BC}

Write down these vectors in terms of **a** and **b**