

8th December

Corbettmaths

Solve $125^x = 25^{x+5}$

Solve

$$\tan x = 6 \sin x$$

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

The equation of a curve is

$$y = x^2 - 3x - 8$$

P is a point on the curve.

The tangent to the curve at P has
gradient 5

Work out the coordinates of P