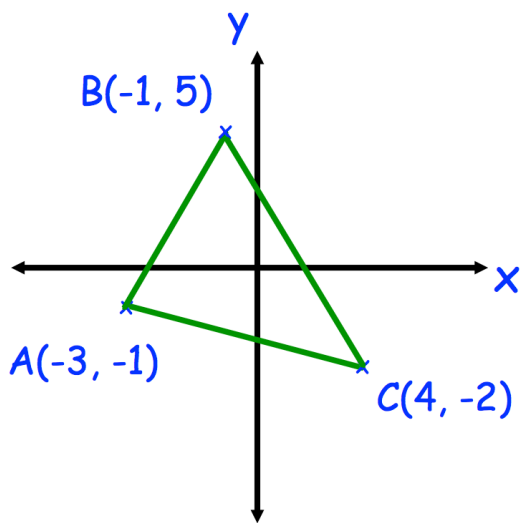


8th February



Corbettmaths



Calculate the perimeter of ABC

Solve the simultaneous equations

$$x + y + z = 1$$

$$4x - 3y + 4z = 32$$

$$x - 10y - 2z = 27$$

A curve has equation $y = \frac{2}{3}x^3$

The gradient of the curve at the points P and Q are equal to 18

Work out the coordinates of the points P and Q.