

14th September

Corbettmaths

Factorise fully $98 - 72x^2$

$$y = x^3 + 4x$$

Work out the values of x at which the rate of change of y with respect to x is 31.

AB is a diameter of a circle C.
Q is the centre of the circle

A has coordinates $(-2, 1)$ and B has coordinates $(8, 7)$.

Find the equation of C

Solve the simultaneous equations

$$2x + 3y + 2z = 40$$

$$6x + 6y + 6z = 108$$

$$3x + 2y - 2z = 20$$