

**20th March**

Corbettmaths

Use Pascal's triangle to expand  
 $(10 - 2x)^5$

A is the point (0, 0)  
B is the point (5, 3)

AB is the radius of the circle.

Work out the equations of the two possible circles.

Solve the simultaneous equations

$$2x + 3y - z = -9$$

$$x - 2y - 2z = -2$$

$$4x + 4y + 4z = 52$$