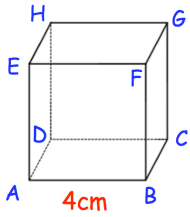


13th June

Corbettmaths

Here is a cube with side length 4cm



Calculate the size of angle CAG

Solve the simultaneous equations

$$x + 2y - 3z = -16$$

$$2x - 3y + 4z = 46$$

$$4x + 3y + 3z = 31$$

Circle 1 has an equation of
 $(x - 6)^2 + (y - 2)^2 = 25$ Circle 2 has an equation of
 $(x + 7)^2 + (y - 8)^2 = 100$

Calculate the distance between the centres of Circle 1 and Circle 2