10th April Higher 5-a-day Corbettmaths y is inversely proportional to the cube of x. If y = 4, x = 2. Find y when x = 1. The density of liquid A is 0.86g/cm³ The density of liquid B is 1.04g/cm³ 20 litres of liquid A is mixed with 50 litres of liquid B to make liquid C. Work out the density of liquid C. An obelisk is situated in the corner of rectangular field ABCD. 5m Calculate the distance AE 24m *Sketch drawn from 3D perspective Simplify $x^2 + 10x + 24$ a + bWrite down vector DE in terms of a and b. 2a - 3b

The vector \overrightarrow{DE} is parallel to \overrightarrow{BA} .

DE is twice the length of BA