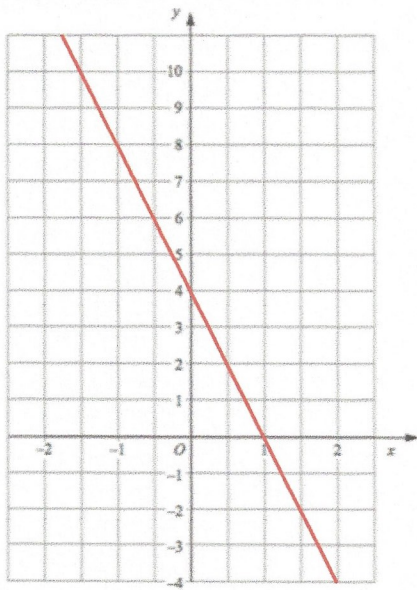


18th October



Corbettmaths



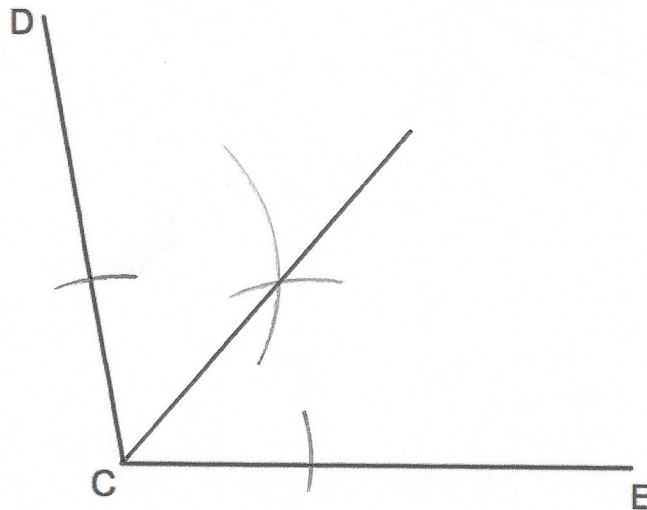
Write down the equation of the line shown

$$y = -4x + 4$$

Write down the equation of the line parallel to the line shown that passes through the point (0, 8)

$$y = -4x + 8$$

Draw the locus of all points which are equidistant from lines CD and CE.



The densities of two different liquids A and B are in the ratio 2:5.

The mass of 1cm³ of liquid A is 1.5g.

$$d = \frac{m}{v} = \frac{1.5}{1} = 1.5 \text{ g/cm}^3$$

Work out the mass of 20cm³ of liquid B.

$$d = 3.75 \text{ g/cm}^3$$

$$m = 3.75 \times 20 = 75 \text{ g}$$

m
d v