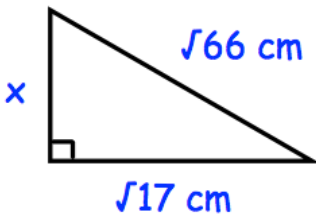


15th July

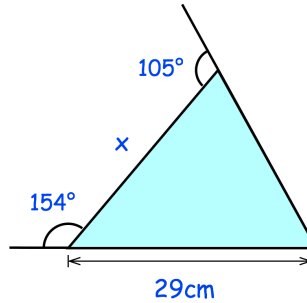


Corbettmaths

Find x



Find x

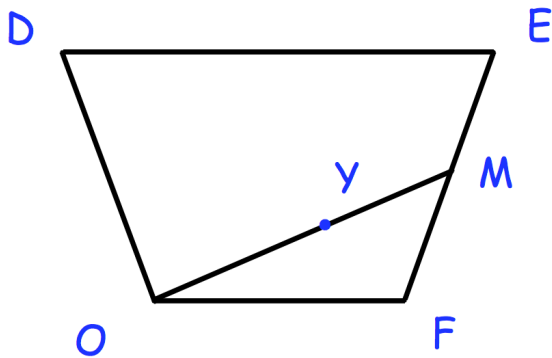


Factorise

$$2x^2 + 11xy + 15y^2$$

ODEF is a quadrilateral

$$\overrightarrow{OD} = \mathbf{a} \quad \overrightarrow{OF} = \mathbf{b} \quad \overrightarrow{DE} = 2\mathbf{b}$$



M is the midpoint of EF

Y is a point on OM such that

$$OY:YM = n : 1$$

DYF is a straight line.

Work out the value of n