Name: _____ 5-a-day Higher Plus

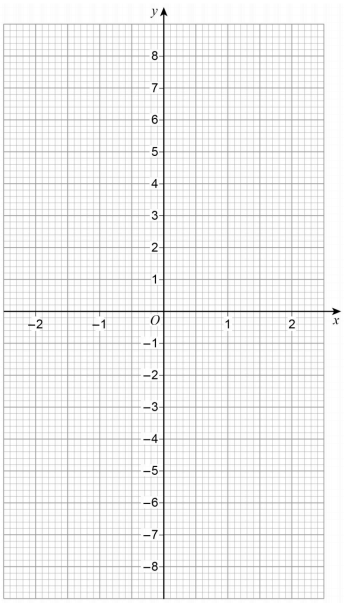
9th June

Corbettmaths

Show algebraically that

$0.9\dot{1}\dot{3}$

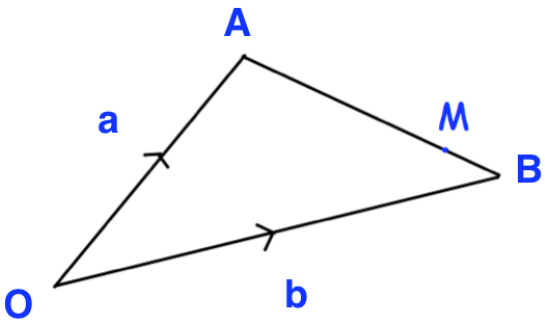
can be written as $\frac{452}{495}$



$$f(x) = \frac{x+1}{3}$$

Draw

$$y = f^{-1}(x)$$



OAB is a triangle.
M is a point on AB such that
AM : MB = 5 : 2

$\overrightarrow{OA} = \mathbf{a}$ $\overrightarrow{OB} = \mathbf{b}$

Express $\overrightarrow{MO}$ in terms of **a** and **b**