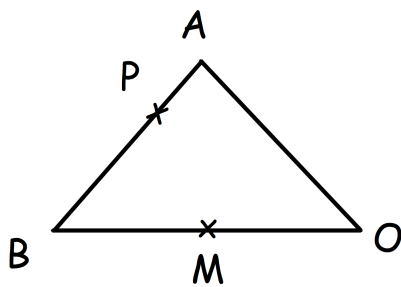




Simplify $5\sqrt{8} + \sqrt{18}$



Find the vector

\vec{OP}

in terms of **a** and **b**

OAB is a triangle such that

$$\vec{OA} = \mathbf{a} \quad \vec{OB} = \mathbf{b}$$

M is the midpoint of OB

P is a point on AB such that AP:PB = 1:2

Find the vector

\vec{MP}

in terms of **a** and **b**

Solve the equations

$$x^2 + y^2 = 25$$

$$x + y = 7$$

$$A = 4x \quad B = 9x$$

C is 130% more than A

D is 60% less than B

C is 168 greater than D

Work out the value of A