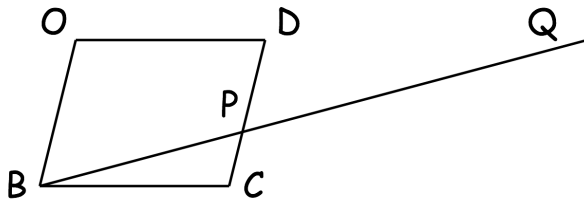




$C = 20000$ to 3 significant figures
 $M = 0.24$ to 2 significant figures
 $N = 50$ to 2 significant figures

Find the minimum value of $\frac{C}{MN}$

OBCD is a parallelogram



$$\vec{OB} = \mathbf{b} \quad \vec{OC} = \mathbf{c}$$

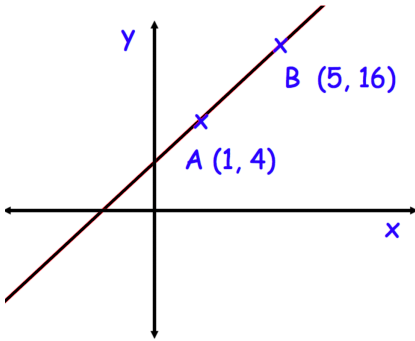
P is a point on CD such that $CP : PD = 1 : 2$

Find the vector

$$\vec{BP}$$

$$\vec{PQ} = 2\vec{BP}$$

Show ODQ is a straight line.



Shown is a straight line that passes through the points $A(1, 4)$ and $B(5, 16)$

Find the equation of the line

Find the shortest distance between the line and the origin.