

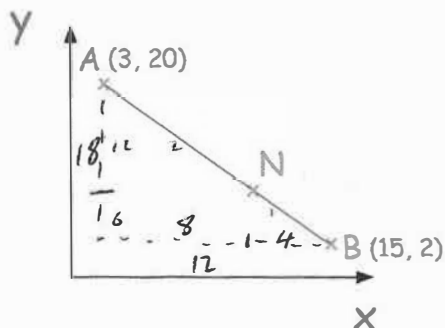
13th June



Corbettmaths

A is the point with coordinates (3, 20)
 B is the point with coordinates (15, 2)

Find the coordinates of the point N.



(12, 8)

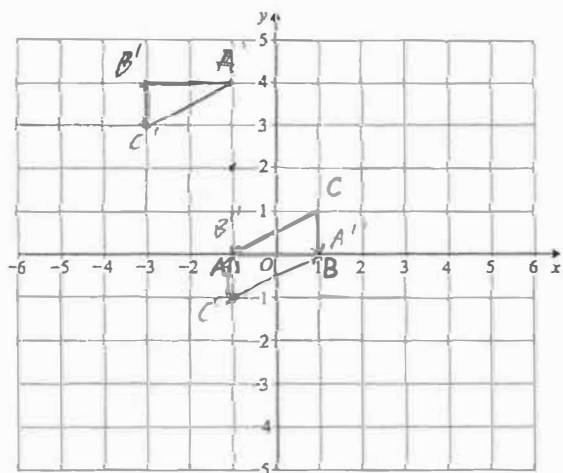
N is a point of the line AB such that AN : NB = 2 : 1

A man jogs 200 metres to the nearest 10 metres. $\frac{195}{25}$ $\frac{205}{35}$
 It takes him 30 seconds to the nearest 10 seconds.

Max speed: $\frac{205}{25} = 8.2 \text{ m/s}$
 min speed $\frac{195}{35} = 5.5714 \text{ m/s}$

Work out the error interval for his speed, s.

$5.5714 < s < 8.2$



Shown is triangle ABC

ABC is rotated 180° about (-1, 2) and then

translated by the vector $\begin{pmatrix} 2 \\ -4 \end{pmatrix}$ right down

Write down the coordinate of the invariant point.

(0, 0)