

16th August

Corbettmaths

A car travelled for 100 minutes, to the nearest 5 minutes.

It travelled for a total distance of 100 km, to the nearest 10km

Work out the greatest possible average speed, in m/s

Height (h cm)	Frequency
$110 < h \leq 120$	8
$120 < h \leq 130$	16
$130 < h \leq 140$	25
$140 < h \leq 150$	32
$150 < h \leq 160$	19

Calculate an estimate of the upper quartile

Solve $2x^2 - x - 6 < 0$

Circle A has equation $x^2 + y^2 = 9$
is translated by the vector

$$\begin{pmatrix} 0 \\ 2 \end{pmatrix}$$

to give Circle B

Sketch Circle B

Label the centre of B and the points of intersection with the x-axis

