2nd August	
-9 < a < -3 and $-5 < b < -4$	ab Corbettmaths
Write down an inequality for each of the following	12 <ab<45< td=""></ab<45<>
$\frac{a^2}{9 < a^2 < 81}$	$\frac{a}{b}  \frac{3}{\frac{5}{5}} < \frac{q}{b} < \frac{9}{4}$
B $AB = BC$ $ACE and BDE are straight lines.$ Prove that angle BCA = CDE	$B\widehat{C}A = x$ $\Rightarrow B\widehat{A}C = x (AB = BC)$ $\Rightarrow B\widehat{D}C = 180 - x (cyclic qd. AB DC)$ $\Rightarrow C\widehat{D}E = x (BDE st. line)$ $\Rightarrow B\widehat{C}A = C\widehat{D}E$
$\mathbf{A} = \begin{pmatrix} -2 & 3 \\ 1 & -4 \end{pmatrix}  \mathbf{B} = \begin{pmatrix} 8 & 0 \\ 2 & -1 \end{pmatrix}$ Work out the matrix <b>AB</b>	$ \begin{pmatrix} -2 & 3 \\ 1 & -4 \end{pmatrix} \begin{pmatrix} 8 & 0 \\ 2 & -1 \end{pmatrix} $ $ = \begin{pmatrix} -10 & -3 \\ 0 & 4 \end{pmatrix} $