Magnitude of a Vector			
(a)	(b)	(c)	
Find the magnitude of vector \boldsymbol{a} to 1 decimal place.	Find the magnitude of vector \boldsymbol{b} , leaving your answer as a surd. $2\sqrt{5}$	$c={5 \choose 1}$. Draw the vector c and find its magnitude to 1 decimal place.	
(d)		(e)	(f)
$d={4\choose 5}$. Draw the vector d and find its magnitude, leaving your answer in surd form. $\sqrt{41}$		Find the magnitude of the vector $\binom{8}{-6}$	Find the magnitude of the vector $\binom{-7}{2.5}$, giving your answer to 1 decimal place.
(g)	(h)	(i)	(j)
Find the magnitude of the vector $\begin{pmatrix} 5 \\ \sqrt{3} \end{pmatrix}$, giving your answer as a simplified surd.	$a = \begin{pmatrix} 6 \\ -2 \end{pmatrix}$ $b = \begin{pmatrix} -1 \\ 14 \end{pmatrix}$ Find the magnitude of the vector $a + b$.	$a = \begin{pmatrix} -3 \\ 5 \end{pmatrix}$ $b = \begin{pmatrix} -1 \\ -2 \end{pmatrix}$ Find the magnitude of the vector $a - 3b$.	Find as many vectors as you can with the same magnitude as the vector $\begin{pmatrix} 2 \\ -1 \end{pmatrix}$. $\begin{pmatrix} \pm 2 \end{pmatrix} \begin{pmatrix} \pm 1 \end{pmatrix} \begin{pmatrix} \pm \sqrt{5} \end{pmatrix}$
2√7	13		$ \begin{pmatrix} \pm 2 \\ \pm 1 \end{pmatrix}, \begin{pmatrix} \pm 1 \\ \pm 2 \end{pmatrix}, \begin{pmatrix} \pm \sqrt{5} \\ 0 \end{pmatrix}, \\ \begin{pmatrix} 0 \\ \pm \sqrt{5} \end{pmatrix} $