

6	(a)		$\begin{pmatrix} 2 \times 5 + 3 \times (-1) \\ 2 \times 3 + 3 \times 6 \end{pmatrix} \text{ soi}$	M1	3.1a	may be implied if one component fully correct	
			$\sqrt{7^2 + 24^2}$	M1	1.1	dependent on award of first M1	
			25	A1	1.1		
				[3]			
6	(b)		$\tan^{-1}\left(\frac{24}{7}\right) \text{ oe}$	M1	1.1a	or $\cos^{-1}\left(\frac{7}{25}\right)$ or $\sin^{-1}\left(\frac{24}{25}\right)$ FT their 7, 24 or 25	
			74° or 73.7° or awrt 73.74° or 1.3 or 1.29 or awrt 1.287	A1	1.1		
				[2]			