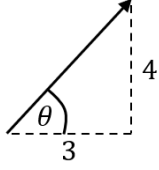
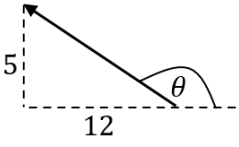
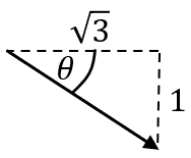
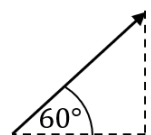
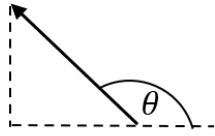
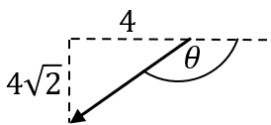
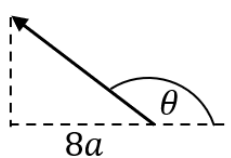


Fill in the Blanks

Vector Magnitude and Direction

Column Vector	Component Form	Sketch	Magnitude	Angle made with $+i$
$\begin{pmatrix} 3 \\ 4 \end{pmatrix}$	$3i + 4j$			
	$-12i + 5j$			
$\begin{pmatrix} 4 \\ -4 \end{pmatrix}$				
	$-2\sqrt{5}i - 4j$			
				
			12	
			$\sqrt{10}$	135°
$\begin{pmatrix} -4 \\ -4\sqrt{2} \end{pmatrix}$				
	$10i - \square j$		$2\sqrt{29}$	
$\begin{pmatrix} -8a \\ \square \end{pmatrix}$			$10a$	