6	Relative to an origin O , the position vectors of points A and B are $3\mathbf{i} + 4\mathbf{j} - \mathbf{k}$ and $5\mathbf{i} - 2\mathbf{j}$ respectively.	- 3 k
	(i) Use a scalar product to find angle <i>BOA</i> .	[4]
	The point C is the mid-point of AB . The point D is such that $\overrightarrow{OD} = 2\overrightarrow{OB}$.	
	(ii) Find \overrightarrow{DC} .	[4]