2	Relative to a fixed origin O , the point A has position vector $6\mathbf{i} + 5\mathbf{j}$ and the point B has position vector $3\mathbf{i} + 9\mathbf{j}$	
	(a) Find \overrightarrow{AB} as a simplified vector in terms of i and j	(2)
	The line PQ is parallel to AB . Given that $\overrightarrow{PQ} = 12\mathbf{i} + \lambda\mathbf{j}$	
	(b) find the value of λ .	(2)
	(c) Find a unit vector parallel to <i>AB</i> .	(2)

