Question	Scheme	Marks	AOs
3(a)	Attempts $\overrightarrow{AB} = \overrightarrow{OB} - \overrightarrow{OA}$ or similar	M1	1.1b
	$\overrightarrow{AB} = 5\mathbf{i} + 10\mathbf{j}$	A1	1.1b
		(2)	
(b)	Finds length using 'Pythagoras' $ AB  = \sqrt{(5)^2 + (10)^2}$	M1	1.1b
	$ AB  = 5\sqrt{5}$	A1ft	1.1b
		(2)	
(4 mark			
Notes:			
(a)			
	apts subtraction but may omit brackets		
A1: cao (a	llow column vector notation)		
(b) M1: Corre	ect use of Pythagoras theorem or modulus formula using their answe	r to (a)	
	= $5\sqrt{5}$ ft from their answer to (a)	1 to (a)	
Note that the	e correct answer implies M1A1 in each part of this question		