Question	Working	Answer	Mark	Notes
26	$OC = 3\mathbf{a} + 4\mathbf{b}$		5	B1 Correct expression for OC
	$ON = t(3\mathbf{a} + 4\mathbf{b})$			M1 Correct expressions for ON
	$ON = 3\mathbf{a} + s(-3\mathbf{a} + 6\mathbf{b})$			M1
	$t(3\mathbf{a} + 4\mathbf{b}) = 3\mathbf{a} + s(-3\mathbf{a} + 6\mathbf{b})$ $\rightarrow t = 0.6,\ s = 0.4$			A1 t or s value correct
		$ON = 1.8\mathbf{a} + 2.4\mathbf{b}$ oe		A1 e.g. $ON = \frac{3}{5}(3\mathbf{a} + 4\mathbf{b})$
	Alt:			
	$AB = -3\mathbf{a} + 6\mathbf{b}$			B1 Correct expression for AB
	$AN = s(-3\mathbf{a} + 6\mathbf{b})$			M1 Correct expressions for AN
	$AN = -3\mathbf{a} + t(3\mathbf{a} + 4\mathbf{b})$			M1
	$-3\mathbf{a} + t(3\mathbf{a} + 4\mathbf{b}) = s(-3\mathbf{a} + 6\mathbf{b})$ $\rightarrow t = 0.6,\ s = 0.4 \rightarrow AN = -1.2\mathbf{a} + 2.4\mathbf{b}$ $ON = 3\mathbf{a} + AN$			A1 t or s value correct
		$ON = 1.8\mathbf{a} + 2.4\mathbf{b}$ oe		A1 e.g. $ON = \frac{3}{5}(3\mathbf{a} + 4\mathbf{b})$
	Alt:			
	$OC = 3\mathbf{a} + 4\mathbf{b}$			B1 Correct expression for OC
	$ON : NC = 6 : 4$ (i.e 3:2)			M1
	$ON = \frac{3}{5}OC$			M2
		$ON = 1.8\mathbf{a} + 2.4\mathbf{b}$ oe		A1 e.g. $ON = \frac{3}{5}(3\mathbf{a} + 4\mathbf{b})$
				Total 5 marks
				Total: 100 marks

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