Question	Answer	Marks	Guidance
(a)	Mean = 5×18.3 and Variance = 5×2.5^2 [= N(91.5, 31.25)]	B1	SOI
	$\frac{95 - '91.5}{\sqrt{'31.25'}} $ [= 0.626]	M1	FT their mean and variance
	1 – Φ('0.626')	M1	For finding area consistent with <i>their</i> values
	0.266 (3 sf)	A1	
		4	
(b)	E(D) = 0	B1	Or $E(D-1) = -1$
	$Var(D) = 2.5^2 \times 2$ [= 12.5]	B1	
	$\frac{1-0}{\sqrt{12.5'}}$ [= 0.283] or $\frac{-1-0}{\sqrt{12.5'}}$ [= -0.283]	M1	FT their E and Var
	$\Phi(\text{`}0.283\text{'}) - (1 - \phi(0.283)) = 0.6115 - 0.3885$	M1	For finding area consistent with <i>their</i> values
	0.223 (3 sf)	A1	
		5	