

8	(i)		use of $B \sim (20,0.7)$ so i 0.191638982753...rounded to 2 or more dp isw BC	M1 A1 [2]	3.1b 1.1	NB 0.1916 or 0.192 or 0.19	
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Question			Answer	Marks	AOs	Guidance	
8	(ii)		$P(X \leq 13)$ found soi 0.608009811813...rounded to 2 or more dp isw BC	M1 A1 [2]	3.1b 1.1	NB 0.391990188187 NB 0.6080 or 0.608 or 0.61	M0 if $P(X = 13)$ used NB 0.1643... if M0 allow SC1 for $1 - P(X \leq 14) = 1 - 0.58362..$ $= 0.41637083$ rounded to 2 or more dp