Eve	A and $B$ are defined as follows.
	A: all three coins show the same result
	B: at least one of the biased coins shows a head
(a)	Show that $P(B) = \frac{7}{16}$ .
<b>(b)</b>	Find $P(A \mid B)$ .

The random variable *X* is the number of heads obtained when Eric throws the three coins. (c) Draw up the probability distribution table for X. [3] ..... ..... ..... ..... .....