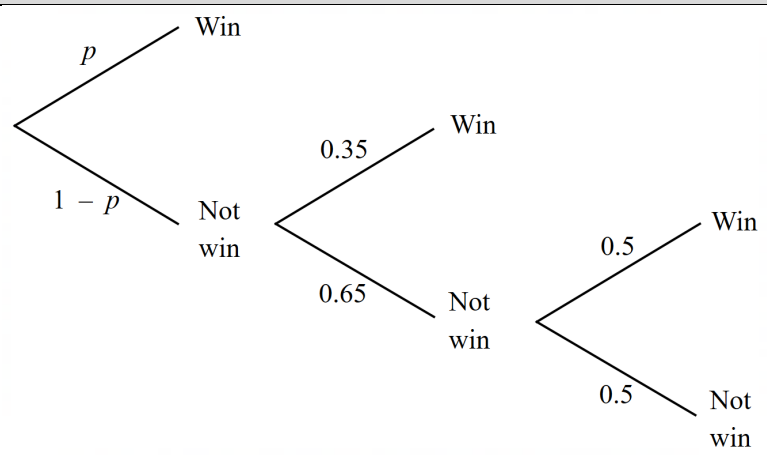
Question Number	Scheme	Marks
1(a)		M1 A1
		(2)
(b)	$p+(1-p)\times 0.35+(1-p)\times 0.65\times 0.5\left[=0.74\right]$ or $(1-p)\times 0.65\times 0.5\left[=1-0.74\right]$	M1
	$0.325p=0.065$ or $1-p=0.8$	M1
	$p=0.2$	A1
		(3)
(c)	0.26 oe	B1
		(1)
(d)	$\frac{"0.8"\times 0.35}{0.74}$	M1
	$=\frac{14}{37}$	A1
		(2)
	Notes	**Total 8**

(a)	**M1**	for the correct structure of the branches, with no extra branches unless the probabilities = 0
	A1	all probabilities correct on the branches with appropriate labels. e.g. gets it in and not get it in **or** win and lose **or** in and out
(b)	**M1**	for a correct probability expression. May be implied by $p = 0.2$ oe
	M1	For forming an equation with p and $1 - p$ and 0.74 with an attempt to solve **or** $1 - p$ and $1 - 0.74$ with an attempt to solve. May be implied by $p = 0.2$ oe
	A1	Oe e.g. $\frac{1}{5}$
(c)	**B1**	Oe e.g. $\frac{13}{50}$
(d)	**M1**	for a correct ratio of probabilities ft their 0.8 ($1 - p = 0.8$)
	A1	allow awrt 0.378