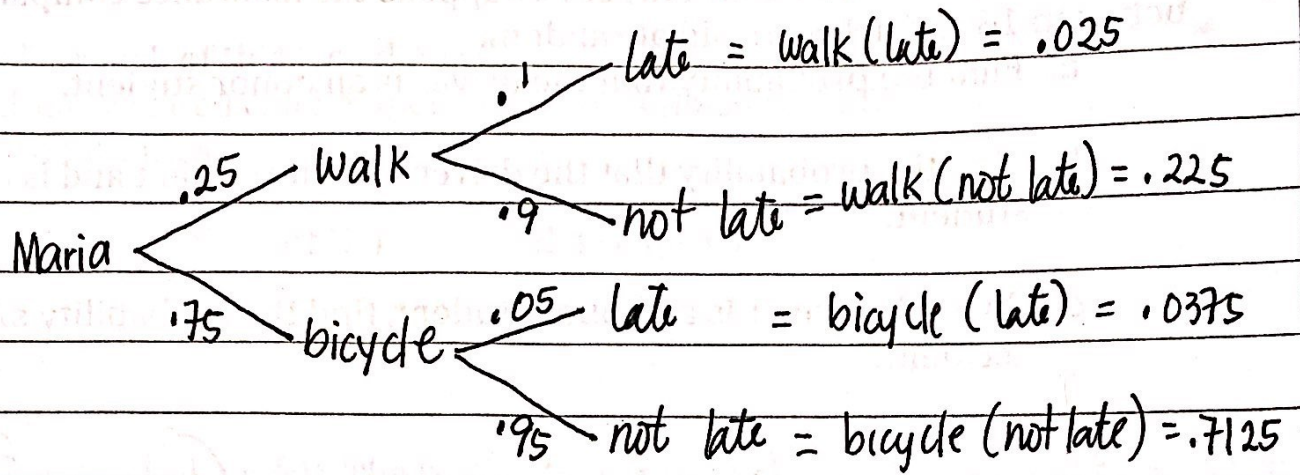
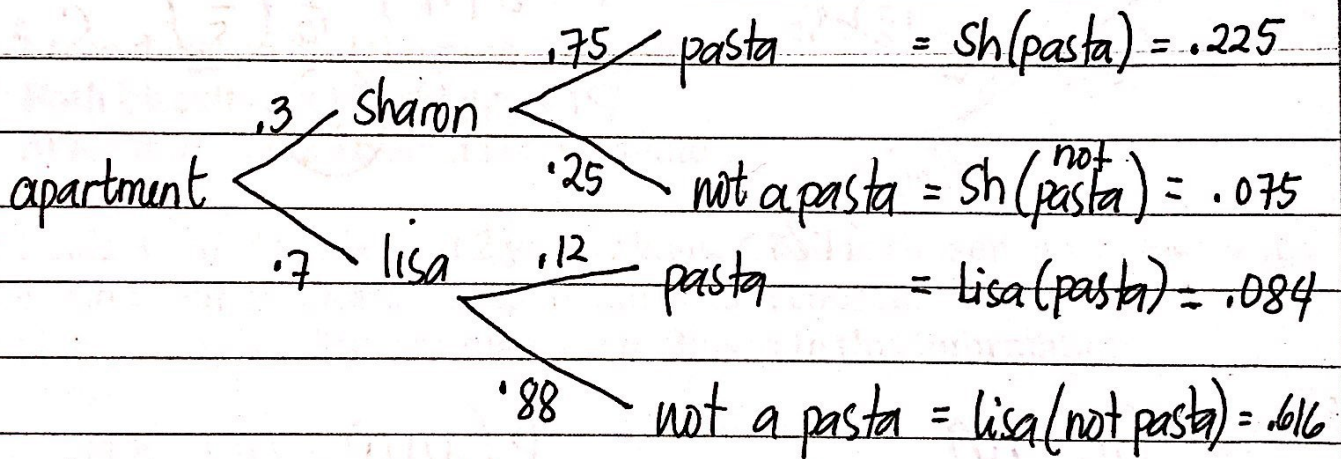


1a.



$$1. b. \quad (.25)(.1) + (.75)(.05) = .0625$$
$$.025 + .0375 = .0625$$

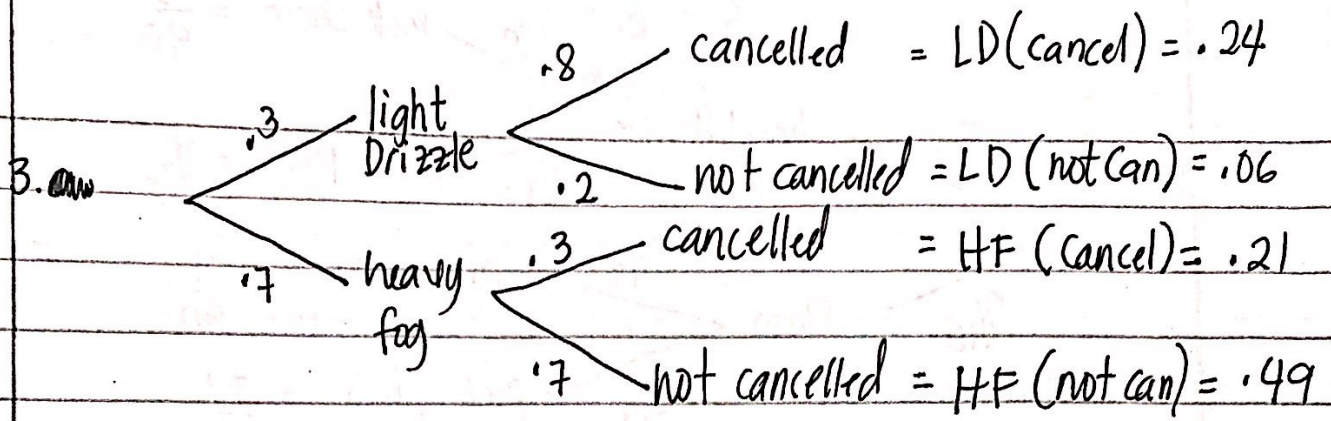
2. a.



$$b. \quad (.7)(.88) = .616$$

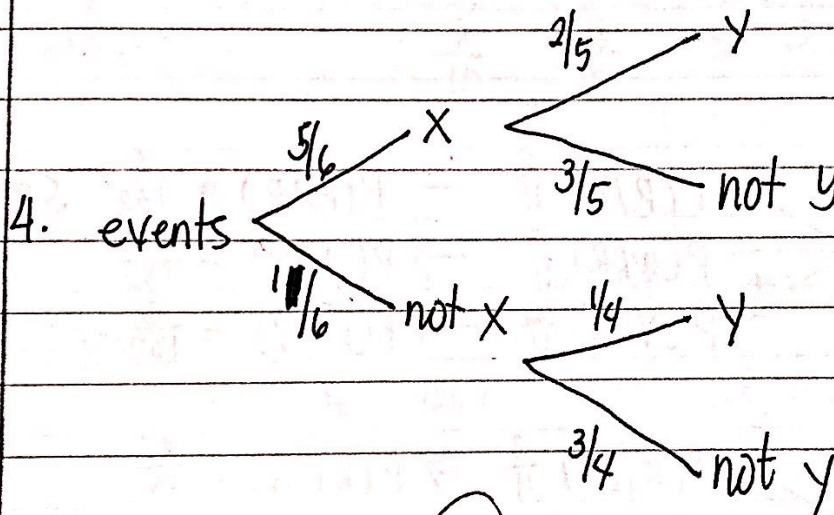
$$c. \quad .075 + .616 = .691$$

$$d. \quad \frac{\text{lisa cooked not a pasta}}{\text{do not have pasta}} = \frac{.616}{.691} = .891$$



a. $.24 + .21 = .45$

b. $(.3)(.2) = .06$



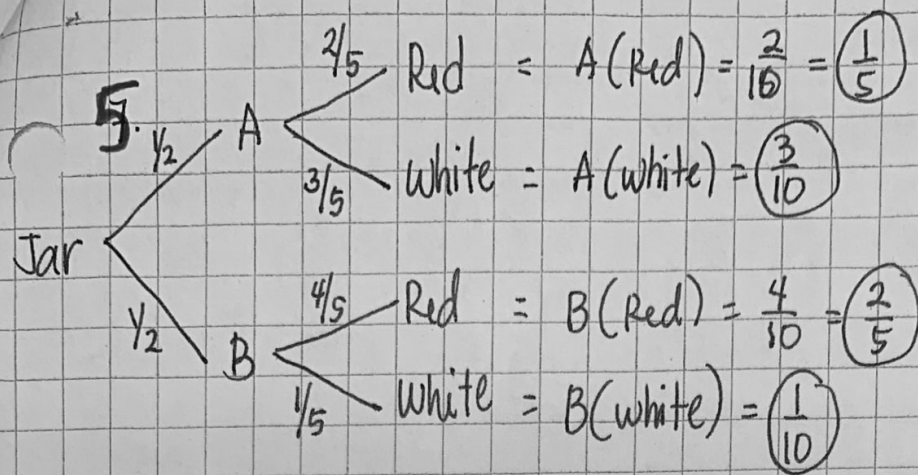
b. $P(\text{not } x) = \frac{1}{6}$

c. $P(Y | \text{not } x) = \frac{1}{4} \times \frac{1}{6}$

d. $P(\text{not } Y | x) = \frac{3}{5} \times \frac{5}{6}$

e. $P(x \text{ and } y) = \frac{5}{6} \cdot \frac{2}{5} = \frac{10}{30} = \frac{1}{3}$

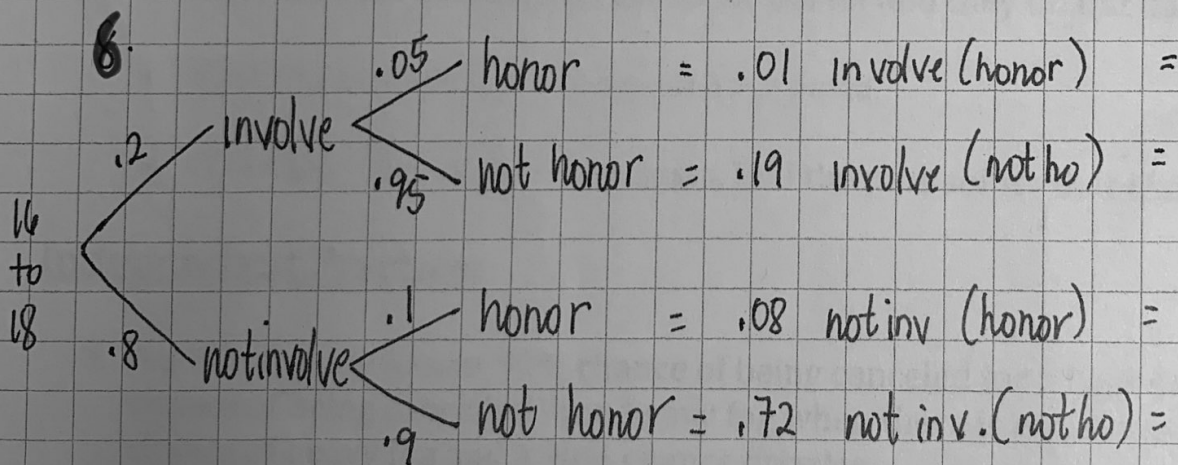
f. $P(\text{not } x \text{ and not } y) = \frac{1}{6} \cdot \frac{3}{4} = \frac{3}{24} = \frac{1}{8}$



a. $\frac{2}{10} + \frac{4}{10} = \frac{6}{10} = \left(\frac{3}{5}\right) \cdot 6$

b. $\frac{2}{10} = \left(\frac{1}{5}\right) \cdot 2$

c. $\frac{\text{Red from Jar A}}{\text{Red ball}} = \frac{\frac{2}{10}}{\frac{6}{10}} = \frac{1}{5} = \frac{1}{5} \cdot \frac{5}{3} = \left(\frac{1}{3}\right) \cdot 33$



a. $.01 + .08 = .09$

b. $.01$

c. $\frac{\text{honor involve accident}}{\text{honor}} = \frac{.01}{.09} = .11 \text{ or } 11\%$