

$$\left. \begin{array}{l} P(\bar{X}=x | H=1) \\ P(\bar{X}=x | H=0) \end{array} \right\} \text{ Given in problem set up}$$

what each part is asking for:

a)  $P(\bar{X}=x, H=h)$

b)  $P(\bar{X}=x)$

c)  $P(H=h | X=x)$

$$= \sum_{h=0}^1 P(X=x, H=h)$$

↳ use conditional probability definition

