

① a) $\frac{96}{200}$

b) $\frac{82}{200}$

c) $\frac{47}{200}$

d) $\frac{131}{200}$

e) $\frac{47}{82}$

f) $\frac{47}{96}$

X is a random variable that assigns 0 if Dem, 1 if Rep, 2 if Indep

$$f: \text{Ran}(X) \rightarrow [0, 1]$$

$$f(x) = P(X=x)$$

$x:$	0	1	2
$f(x):$	$\frac{82}{200}$	$\frac{78}{200}$	$\frac{40}{200}$

$$\textcircled{2} \text{ a) } .080$$

$$\text{ b) } 0.410$$

$$\text{ c) } 0.52$$

$$\text{ d) } 0.167 = \frac{0.080}{0.235 + 0.165 + 0.080}$$

$$\text{ e) } .685$$

$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$

