

3a.

-

$$\frac{11}{40}$$

$$\frac{11}{40}$$

c.

$$\frac{25}{40}$$

$$\frac{25}{40}$$

b.

$$\frac{11}{40}$$

$$\frac{10}{39}$$

d.

$$\frac{25}{40}$$

$$\frac{24}{39}$$

$$5. \quad \frac{13}{100} \quad \frac{12}{99} \quad \frac{11}{98}$$



10.5 Independent Events

Independent

- with
replacement

Dependent

w/o replacement

Multiplication Rule

$$P(A \text{ and } B) = P(A) \cdot P(B)$$

$$.06 = .2 \cdot .3$$

$$.068$$

$$.4$$

$$.17$$

$$\frac{.4}{.6}$$

$$=$$

$$.6$$

$$?$$

$$0.667$$

$P(B|A)$

P. 721
3-21

$$P(A \text{ and } B) = P(A) \cdot P(B|A)$$

0.0943

= .41

.23

$$G = \frac{4}{16}$$
$$B = \frac{3}{16}$$