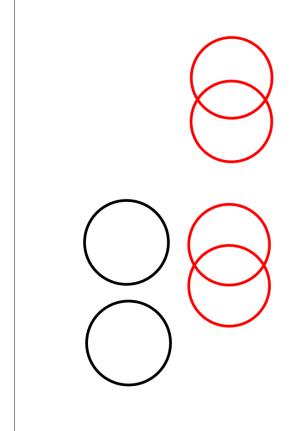
A compound event



Probability of disjoint events:

Probability of overlapping events:

www.mrtownsend.com

frondomly_comp_nores.gmu - 440 - 446 toec 20 20 in

Is the event mutually exclusive?
$$P(A) = \frac{2}{5} P(B) = \frac{7}{20} P(A \text{ or } B) = \frac{3}{4}$$

Is the event mutually exclusive?

$$P(A) = \frac{1}{2} P(B) = \frac{1}{2} P(A \text{ or } B) = \frac{3}{4}$$

 ${\it A}$ and ${\it B}$ are mutually exclusive.

$$P(A) = \frac{1}{4} P(B) = \frac{11}{20} P(A \text{ or } B) = ?$$

A and B are mutually exclusive

$$P(A) = \frac{9}{20} P(A \text{ or } B) = \frac{9}{10} P(B) = ?$$

www.mrtownsend.com

.

$$P(A) = \frac{3}{10} P(B) = \frac{11}{20} P(A \text{ and } B) = \frac{33}{200} P(A \text{ or } B) = ?$$