

Formula Sheet – Test 1 – SCCC 312A – Spring 2005

$$s^2 = \frac{\sum(x - \bar{x})^2}{n - 1}$$

$$1 - \frac{1}{k^2}$$

$$P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$$

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

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

or

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