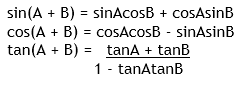
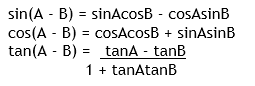
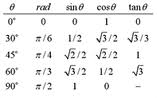
**7.2 Compound Angles**







**Example 1:** Find the exact value of .

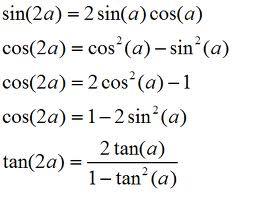
Sin (285) = sin (240 +45)

**Example 2:** Evaluate where and are obtuse angles; and .

**Example 3:** Use compound angle formulas to show that

Homework: pg 401 #9, 10, 11

**7.3 – Double Angle Formulas**



**Example 1**: Simplify

**Example 2:** If and , determine the value of and .

**Example 3:** Given that where , determine the value of .

**Example 4:** Develop a formula for in terms of .

Homework: pg 407 #4-10, 13