**5.4 Sum and Difference Formulas**

**Objective: Use sum and difference formulas to evaluate trig functions, verify identities, and solve trig equations**

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**Example 1 (Evaluate a Trig Function)**

Find the exact value of

**Example 2 (Evaluate a Trig Function)**

Find the exact value of

Since 15 = 45 – 30 then

**Example 3 (Simplify the Expression)**

Simplify:

**Homework**

Day 1: Pg 402 #7-13 (odd), 37-40