**3.3 Properties of Logarithms**

**Objective: Evaluate logarithms using properties**

**Change of Base:**

Typically b = 10 (or b = e) so we can use calc.

**Product Property**

**Quotient Property**

**Power Property**

**Expand:**

**Condense:**

4 ln 2 – 7 ln x

Remember:

**Properties of Logarithms**

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**Homework**

**Evaluate: Pg 241 #15-18, 23-26, 29-38, 45-48, 67-71, 115  
  
Simplify Review: Pg 234 #8-22 (even), 93**