I. Simplifying Logarithmic Expressions:

1. $\log_b x^n = n \cdot \log_b x$
2. $\log_b (x \cdot y) = \log_b x + \log_b y$
3. $\log_b (x \div y) = \log_b x - \log_b y$
4. $\log_b x = \dfrac{\log_a x}{\log_a b}$ (change base "b" to base "a")

II. Examples (pp.712-713): Exercises #2-30(even), 38-68(even)

HW: pp.712-713 / Exercises #1-31(odd),37-67(odd)

I. Some Basic Properties:

1. $b^x = b^y \leftrightarrows$ ____ = ____
2. $a^x = b^x \leftrightarrows$ ____ = ____
3. $\log_b(x) = \log_b(y) \leftrightarrows$ ____ = ____
4. $\log_a(x) = \log_b(x) \leftrightarrows$ ____ = ____

II. Examples (pp.726-727): Exercises #2-40(even), 42-98(even)

HW: pp.726-727 / Exercises #1-97(every other odd)