**expanding a logarithm using the product rule**

**condensing a logarithm using the product rule**

**expanding a logarithm using the power rule**

**expanding a logarithm using the quotient rule**

**expanding a logarithm using the product, power, and quotient rules**

**condensing a logarithm using the product, power, and quotient rules**

**condensing a logarithm using the power rule**

**condensing a logarithm using the quotient rule**

