Prove  $(osh^2x - sinh^2x = 1)$ 

$$= \left(\frac{e^{x}+e^{x}}{2}\right)^{2}-\left(\frac{e^{x}-e^{x}}{2}\right)^{2}$$

$$= \frac{e^{2x} + 2 + e^{-2x}}{4} - \frac{e^{2x} - 2 + e^{2x}}{4}$$