

MTH 32. QUIZ 3. NAME: _____

[4] **1.** Prove the identity $\sinh x + \cosh x = e^x$.

[4] **2.** Find the derivative of the function $f(t) = e^{\cosh 3t}$.

[4] **3.** Find $\lim_{x \rightarrow \infty} \tanh x$.