

Name: _____

1. Evaluate $\cosh(\ln 2)$.

A. $\frac{3}{5}$

B. $\frac{2}{3}$

C. $\frac{5}{4}$

D. None of these.

2. Differentiate $f(x) = \tanh(x^2) - \cosh(2x + 1)$.

A. $f'(x) = -\operatorname{sech}(x^2) \tanh(x^2) + \sinh(2x + 1) + 2$

B. $f'(x) = 2x \operatorname{sech}^2(x^2) - 2 \sinh(2x + 1)$

C. $f'(x) = \frac{1}{1+x^4} + 2 \sinh(2x + 1)$

D. None of these.