MA 126 — Fall 2016 — Prof. Clontz — Quiz

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.