KF

Math 101 (082)
Quiz 3 v3 (3.9 – 4.4)

Name: ID #: Section #: Serial #:

1. Find the derivative of $f(t) = \cosh(\ln t)$.
2. Use differentials to estimate $\sqrt[3]{0.97}$.
3. Find $\lim_{x\to\infty}(x - \ln x)$.

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Math 101 (082)
Quiz 3 v1 (3.9 – 4.4)

Name: ID #: Section #: Serial #:

1. Find the derivative of $f(t) = \ln(\cosh e^{2t})$.
2. Use differentials to estimate $\sqrt{1.02}$.
3. Find $\lim_{x\to\infty}\left(\sqrt{x^2+x}-x\right)$.

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Math 101 (082)
Quiz 3 v2 (3.9 – 4.4)

Name: ID #: Section #: Serial #:

1. Find the derivative of $f(t) = \ln(\cosh e^{2t})$.
2. Use differentials to estimate $\sqrt{0.98}$.
3. Find $\lim_{x\to\infty} x\tan(1/x)$.