

Name:

Quiz# 6
ID #:

Section: 23 Serial #:

1. Find the absolute extrema (if any) of $f(x) = \cosh(x^2 - 4x + 3)$.

2. If x_3 is the third approximation of the solution of $\sin^{-1} x = 1 - x$, then find the value of $x_3 + \frac{\pi - 6 - 2\sqrt{3}}{4\sqrt{3} + 6}$.

With My Best Wishes

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Quiz# 6
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Section: 30 Serial #:

1. Compute $\lim_{x \rightarrow \infty} x^{\left(\frac{\ln 2}{1 + \ln x}\right)}$.

2. If $f'(x) = \frac{4}{\sqrt{1-x^2}}$ and $f\left(\frac{1}{2}\right) = 1$ then find $1 - f\left(-\frac{1}{2}\right)$.

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