

Pledge:

10/26/2005
Dr. Lunsford

MATH261 Calculus I
Quiz 10

Name: _____
(20 Points Total)

Find the indicated limits. You must show at least one intermediate step. Neatly and clearly show all work. (4 points each)

(a) $\lim_{t \rightarrow 0} \frac{e^{(3t^2+4t)} - 1}{7t}$

(b) $\lim_{\theta \rightarrow \frac{\pi}{2}^+} \frac{\sin(2\theta)}{\sin(4\theta)}$

(c) $\lim_{x \rightarrow \infty} x^3 e^{-x}$

(d) $\lim_{w \rightarrow 0^+} \sqrt{w} \ln w$

(e) $\lim_{x \rightarrow 0^+} (1 - 2x)^{1/x}$