

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Math 102.07 & 10 Quiz VII Fall (051)

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Determine which of the following sequence converge and find its limit.

(a) $\left\{ \ln \left(\frac{3n}{n+1} \right) \right\}$.

(b) $\{ \sin n\pi \}$.

(c) $\left\{ \frac{2n}{2^n} \right\}$.

(d) $\left\{ \frac{\sin^2 n}{n} \right\}$.

(e) $\left\{ \frac{\sqrt{n}-1}{n} \right\}$.