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Math-5630/6630
Introduction to Numerical Analysis I
Summer 2007
Quiz 1

1. All the following sequences converge to 0 as $n \rightarrow \infty$. Order them according to their rate of convergence for slowest to fastest.

$$\left\{ \frac{1}{2n^2} \right\} \quad \left\{ \frac{1}{2^n} \right\} \quad \left\{ \frac{1}{n} \right\} \quad \left\{ \frac{1}{2^{2^n}} \right\}$$