KFUPM MATH102 Quiz#6 Sec. 27

Name Sr.#

57–63 Find the values of x for which the series converges. Find the sum of the series for those values of x.

62. $\displaystyle\sum_{n=0}^{\infty} \frac{\sin^n x}{3^n}$

3–32 Determine whether the series converges or diverges.

10. $\sum_{k=1}^{\infty} \frac{k \sin^2 k}{1 + k^3}$