

MA114 Summer 2018
Worksheet 9b – Integral Test – 6/25/18

1. Use the Integral Test to determine if the following series converge or diverge.

a)
$$\sum_{n=0}^{\infty} \frac{1}{1+n^2}$$

b)
$$\sum_{n=2}^{\infty} \frac{n}{(n^2+2)^{1/2}}$$

$$\text{c) } \sum_{n=1}^{\infty} n^2 e^{-n^3}$$

$$\text{d) } \sum_{n=1}^{\infty} \frac{\ln(n)}{n}$$