

Math 116 Fall 2017 Exam 3 Answers

1)

a) 9, 10, 8 and $17/2$ are four such points

b) -1, 0 and 1 are three such points

c) 11 and 7

2) a) 9

b) 2

3) e^{-72}

4) a) $|x| < 1$

b) $-8/89$

c) πe^{π^2}

5) a) $\sum_{n=1}^{\infty} a_n = \lim_{k \rightarrow \infty} S_k$ where $S_k = \sum_{n=1}^k a_n$.

b) $1/\ln(2)$

6) Note $g(x) = -1 - \ln(x)$, then check.