

Session 1

Fakhir

November 4, 2017

Solutions

1. (a) i. 0.53125
ii. 0.15625
iii. -0.41
iv. -0.59375
(b) -0.16
(c) $\Delta x \rightarrow \{-0.18, 0.10\}$
2. (a) i. -0.88
ii. -0.97
iii. -0.97
iv. -0.88
(b) -1.0
(c) $\Delta x \rightarrow \{-0.44, 0.44\}$
3. (a) i. -0.59
ii. -0.41
iii. 0.16
iv. 0.53
(b) -0.16
(c) $\Delta x \rightarrow \{-0.1, 0.08\}$
4. (a) No, it was a range in each case. Maybe I didn't understand the problem??
(b) When the curve tends to be pretty "straight line-ish"