

Homework Assignment for Week 01

Assigned Feb 23, 2011.

1. Section 2.2: problems 25, 55, 72(b).
2. Section 2.3: problems 23, 33, 40, 46.
3. State (need not prove) the ' $x \rightarrow c^+$ ' and ' $x \rightarrow \infty$ ' versions of the Sandwich Theorem.
Hint: Part of the assumption in the standard Sandwich Theorem reads

... for all $x \neq c$ in some open interval about c ...

How would you change this sentence in the ' $x \rightarrow c^+$ ' and ' $x \rightarrow \infty$ ' versions, respectively?