

Math 3210-1 HW 6  
Due Tuesday, July 20, 2004

Problems with only a number listed, such as 1.1, are to be found in *Elementary Analysis*, by Kenneth A. Ross.

**Limits of Functions**

Exercises 20.1, 20.3, 20.4, 20.5, 20.7 (only prove your assertion for  $\lim_{x \rightarrow 0} f(x)$ ), 20.8 (only prove your assertion for  $\lim_{x \rightarrow 0} f(x)$ ), 20.13, and 20.17.

**Continuity**

Exercises 17.1, 17.2, 17.3 (do any four parts), 17.5, 17.6, 17.7, 17.13 (This is one of my favorite problems).

**Properties of Continuous Functions**

Exercises 18.5, 18.6, and 18.8.