

Math 251
Jonny Comes
Winter 2006
Assignment #4
Due Tuesday Jan. 31

From the Textbook:

- Section 2.7: 8, 9, 18, 19
- Section 2.8: 8, 15, 16, 17, 18, 26
- Section 2.9: 4, 6, 7, 8

Additional Exercises:

1. Let $f(x) = mx + b$ be an arbitrary linear function. Prove $\lim_{x \rightarrow 0} f(x) = b$ using the $\varepsilon \delta$ definition of limits.
[Hint: your δ should involve m]