Math 283 Spring 2012
Assignment 1
Due Monday, January 23

To Hand In:

D'Angelo & West Ch. 1: 1, 10, 13–16, 18, 23, 24, 32

Not To Hand In:

D'Angelo & West Ch. 1: 7, 8, 9, 12, 34, 35

Extra Problems

1. Describe each of the following sets as $\{x \in S : p(x)\}$, where $p(x)$ is some condition on x.
   (a) $A = \{1, 2, 3\}$
   (b) $B = \{0, 1, 2, 3\}$
   (c) $C = \{-2, -1\}$

2. Determine the cardinality of each of the following sets:
   (a) $A = \{1, 2, 3, 4, 5\}$
   (b) $B = \{0, 2, 4, \ldots, 20\}$
   (c) $C = \{\{1, 2\}, \{1, 2, 3, 4\}\}$
   (d) $D = \{\emptyset\}$