Check Problems. Choose the correct answer for each question.

1. Determine $A \cap B$, where $A = \{x | x \text{ is an odd integer greater than 30}\}$ and $B = \{x | x \text{ is an odd integer less than 40}\}$.
   
   a. $\{1, 2, \ldots, 40\}$
   b. $\{31, 33, 35, 37, 39\}$
   c. $\emptyset$
   d. $\{1, 3, 5, \ldots\}$

2. A marketing class polled a group of 150 consumers about their reading of the *Daily News* and the *Weekly Gazette*. They discovered that 126 read the *Daily News*, 31 read both and 10 read neither. How many read the *Weekly Gazette*?
   
   a. 14
   b. 0
   c. 95
   d. 45

Practice Problems
Section 6.1: 3, 11, 17, 27, 37, 43, 49
Section 6.2: 3, 5, 11, 13, 17, 27, 33