Problems:

1. Section 1.5, exercise 16, parts (a) to (c)
2. Section 1.5, exercise 24
3. Section 1.5, exercise 34
4. Prove that for any integer $n$ if $3n + 3$ is odd then $n$ is even.
5. Section 1.6, exercise 28
6. Section 1.6, exercise 30
7. Prove or disprove that if $a$ and $b$ are rational numbers, then $a^b$ is also rational.

Please write about how many hours it took you to complete this assignment near where you write your name on the first page.