Please turn in the following problems:

- 11.1: 5, 16.
- 11.5: 1.
- 11.6: 1.

Read Example 4 on P275 and complete the following problem:

- 5.1: 9. 15. 25. 19
- 5.2: 37

Past exam questions:

Consider the sequence  $x_i = \frac{i+3}{i-2}, \ 3 \le i \le 100$  .

- 1. Find  $x_6$ .
- 2. Compute  $\sum_{i=1}^{3} x_{i+2}$ .
- 3. Fill in the two blanks:

$$\sum_{i=1}^{3} x_{i+2} = \sum_{i=\_}^{10} x_{\_}$$

4. Find the exact value of  $\sum_{i=3}^{100} \left( \frac{x_i(i-2)-3}{i} \right).$