Practice for 6.1 Sequences and Series

The following problems will help you practice the material you learned today. Once you are finished check your solutions. Once done, you can work on your WeBWorK homework.

1. Write six terms in this sequence $a_n = \frac{(-2)^n}{n!}$

2. $\sum_{k=1}^{4}(k-2)^2(k+1) =$

3. Write a general term, a_n for this sequence 2, -4, 6, -8, …

4. Use sigma notation to write the sum: $\frac{3}{1+2}+\frac{4}{2+3}+\frac{5}{3+4}+\ldots$

5. You see a sheet cake and decide to make it last forever… Each day you eat half of what is left. Use summation notation to indicate how much you ate. Will it ever be all gone?