

Practice for 6.2 Arithmetic 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. If $a_4 = 12$ and $a_7 = 3$ in an arithmetic sequence, write the first seven terms of the sequence.
2. Determine the 80th term and the sum of 80 terms of this sequence: 18, 13, 8, 3, ...
3. Write in sigma notation and find the indicated n th partial sum of this arithmetic sequence: 0.5, 0.9, 1.3, 1.7, ... $n = 10$
4. $\sum_{k=1}^4 2k - 3 =$
5. In the last lesson, you decided to save for your trip to Europe. You opened a savings account with \$1.00 and on each subsequent day, you deposited a dollar more than on the previous day. How much have you contributed by the end of one year?