Math 200 - Quiz 2

February 3, 2010

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) For each sequence, find three terms that continue a possible pattern.

   (a) $3, 6, 12, 24, 48, \ldots$

   (b) $2, 6, 10, 14, 18, 22, \ldots$

2. (1 point) Find a formula for the nth term of the sequence $5, 13, 21, 29, 37, \ldots$.

3. (1 point) Find the 317th term of the sequence in problem 2.

4. (2 points) Find the sum: $3 + 10 + 17 + \cdots + 1634 + 1641$