Math 200 - HW #2

Name _____

January 31, 2011

Score _____

Show all work to receive full credit. Supply explanations when necessary. This assignment is due at February 2, 2011.

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1. (1 point) Find a formula for the nth term of the following sequence.

$$9, 15, 21, 27, 33, 39, \ldots$$

2. (1 point) Is 6799 a term in the sequence above? Explain.

3. (1 point) In the sequence above, in which position is the term whose value is 5967? (Find the term number.)

4. (1 point) Compute the sum:

$$9 + 15 + 21 + 27 + \cdots + 5955 + 5961 + 5967$$