## Math 200 - Quiz 3

February 1, 2012

Name Key Score

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

1. (1.5 points) Find the 1462nd term of the following arithmetic sequence.

2. (2 points) What kind of sequence is this? Find the next three terms.

3. (1.5 points) Compute the sum:  $2+4+6+\cdots+1180+1182+1184$   $\varepsilon v \varepsilon \omega \ \# \ 's$ . There are 593 Terms.

$$S = 2+4+...+1184$$

$$S = 1/84 + ... + 2$$

$$2S = 592 (1/86)$$

$$S = \frac{592 (1/86)}{2} = 351,056$$