Algebraic Reasoning

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Per:\_\_\_\_\_

POINTS:\_\_\_\_

Homework #7 Quiz

**Be sure to include your work when appropriate.**

**Write a recursive rule and an explicit rule for**

**the arithmetic sequence.**

1. 1, 8, 15, 22, 29, …

2. 147, 127, 107, 87, 67, …

For each recursive rule and explicit rule given,

write the first four terms in the sequence.

3. a1 = 9.5; an = an-1 + 6.5

 an = 3 + 6.5n

4. a1 = 140; an = an-1 - 30

 an = 170 - 30n

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