

130 WORKSHEET (1.4) SEQUENCES

Name _____

1. Identify the following sequences as arithmetic, geometric, or neither.

A. 3, 6, 9, 12, . . .

B. 3, 6, 12, 24, . . .

C. 1000, 100, 10, 1, . . .

D. 21, 17, 13, 9, 5, . . .

2. The following sequence is arithmetic: 40, 36, 32, 28, . . .

A. State the next three terms of the sequence.

B. What is the common difference of this sequence?

C. Write the general rule of this sequence for the n th term in the form $a + (n - 1)d$

D. Compute the 500th term of this sequence