

Name: \_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_

### Friday Quiz #2 (Math 4/5)

1. Determine what type of sequence this is (arithmetic, geometric, or neither) and write an explicit formula for the sequence (if possible).

-4, -7, -10, -13, ...

$$a_n = a_1 + d(n - 1)$$

$$g_n = g_1 \cdot r^{(n-1)}$$

This sequence is \_\_\_\_\_

because \_\_\_\_\_

\_\_\_\_\_.

2. Use sigma notation to rewrite each finite series and calculate the given series.

$$3+5+7+9+11; S_4$$

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3. Extra Credit: Solve.

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