

Arithmetic Sequences: Explicit and Recursive Formulas Date _____ Period _____

Determine if the sequence is arithmetic. If it is, find the common difference, the explicit formula, and the recursive formula.

1) 22, 30, 38, 46, ...

2) -28, -23, -18, -13, ...

3) 2, 22, 122, 622, ...

4) 25, 31, 37, 43, ...

5) 36, 45, 54, 63, ...

6) 29, 39, 49, 59, ...

7) -38, -35, -32, -29, ...

8) -2, -8, -14, -20, ...

9) 31, 33, 35, 37, ...

10) -4, -1, 2, 5, ...