

HW114

Date _____ Period _____

Determine if the sequence is arithmetic. If it is, find the common difference, the 52nd term, and the explicit formula.

1) 7, 2, -3, -8, ...

2) 24, 44, 64, 84, ...

3) 21, 19, 17, 15, ...

4) -22, -12, -2, 8, ...

5) 9, -1, -11, -21, ...

6) -36, -56, -76, -96, ...

7) -28, -38, -48, -58, ...

8) 30, 36, 42, 48, ...

9) -2, -4, -12, -48, ...

10) 29, 229, 429, 629, ...

11) 0, 3, 6, 9, ...

12) -16, -24, -32, -40, ...