**Honors Algebra 2 ~ *Arithmetic Sequences Day 1 HW (2)*  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.) How would you determine if a list of numbers is an arithmetic sequence?

**For #2 and 3 name the next four terms:**

2.) 11, 14, 17, … 3.) …

**For # 4 and # 5 find the nth term in each sequence:**

4.)  5.) 

**For # 6 and 7 find the indicated term in each arithmetic sequence:**

6.)  for -17, -13, -9, … 7.)  for 4, 7, 10, 13, …

**For # 8 and 9 find the missing terms in each arithmetic sequence:**

8.) -10, , , , ,2 9.) , 49, , ,28

**Write an explicit & recursive formula for the nth term of each arithmetic sequence.**

10.) 7, 16, 25, 34,… 11.) -3, -5, -7, -9,…

**For # 12-15, complete the statement for each arithmetic sequence.**

12.) 166 is the term of 30, 34, 38,…

13.) 2 is theterm of

14.)  is the  term of 

15.) -10 is the  term of 