2. $a_1 = -3$; $a_{n+1} = a_n + 0.5$

3. $a_1 = 5$; $a_{n+1} = 3a_n$

4. $a_1 = 8$; $a_{n+1} = 0.5a_n$

5. $a_n = 3n + 5$

6. $a_n = 2n - 1$

7. $a_n = 3^n$

8. $a_n = n^2$

General Algebra 2 Worksheet #1 Unit 10 page 2

Write	a recursive	formula for	each of the	following	sequences
** 1 1 1 C	a i ccui sive	ivi illula ivi	each of the	Tomowing	sequences.

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

10. 7, 11, 15, 19, ...

11. 10, 9.5, 9, 8.5, 8, ...

12. 2, 4, 8, 16, 32, ...

Write an explicit formula for each of the following sequences.

13. 3, 6, 9, 12, ...

14. 7, 11, 15, 19, ...

15. 0, 3, 8, 15, 24, 35, 48, ...

16. 2, 4, 8, 16, 32, ...