**Integrated Math 3: 8.1/8.2 Review**

1. 7, 10, 15, 22, 31, 42

2. -2, 1, 6, 13, 22, 33

3. 9. 27, 81, 243, 729, 2,187

4. $-\frac{4}{3}, -\frac{2}{3}, -\frac{4}{9},-\frac{1}{3, }-\frac{4}{15},-\frac{2}{9}$

5. 80

6. 50

7. 253

8. 8 weeks

9. yes, -7

10. yes, 2.5

11. no

12. no

13. $a\_{n}=-10+6n; 50$

14. $a\_{n}=-21-4n; -61$

15. $a\_{n}=8+5n; 58$

16. $a\_{n}=-2+2n; 18$

17. $a\_{n}=-40+14n$

18. $a\_{n}=-12-4n$

19. 100

20. -140

21. -210

22. 110

23. 66

24. 705

25a) $a\_{n}=9+n$

 b) 550