

Answer Key: 1.3

1) 34.5

2) 64

3) 5<sup>th</sup> Term: 120, 7<sup>th</sup> Term ???

4) 6<sup>th</sup> Term: -27, 7<sup>th</sup> Term: -34

5) 206

6) 52

7) Difference:  $\frac{1}{5}$ , Linear,  $\frac{39}{20}$

8) Difference: 12, Cubic, 433

9) Difference: 2, Quadratic, 87

10) Difference: 6, Cubic, 217

11) a) 20 b) Ask Teacher/Classmate for accuracy c) 40

12) a) 64 b) Ask Teacher/Classmate for accuracy c) 125

13) 576

14) 742