Assignment 1-3

For each sequence below:

- **Determine the next three terms**
- **Find a rule that allows you to get from one term to the next**
- **Label the sequence linear pattern, exponential pattern, or neither.**

1. 17, 14, 11, 8, _____, _____, _____

Rule –

Type of Sequence –

2. 256, 128, 64, 32, _____, _____, _____

Rule –

Type of Sequence –

3. 2, 5, 8, 11, _____, _____, _____

Rule –

Type of Sequence –

4. 1, 3, 9, 27, _____, _____, _____

Rule –

Type of Sequence –

5. 2, 5, 10, 17, _____, _____, _____

Rule –

Type of Sequence –

6. 0, 2, 4, 6, _____, _____, _____

Rule –

Type of Sequence –

For each sequence below, find the missing terms.

7. 5, 10, _____, 20, _____

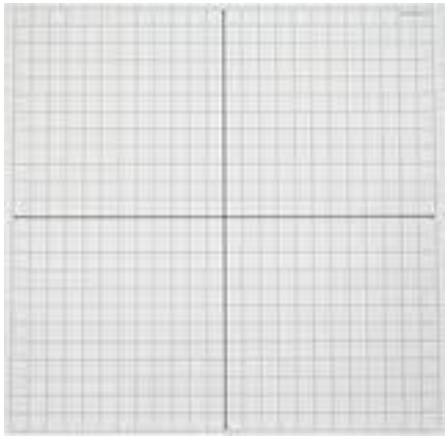
8. _____, 0, 2, 4, _____, 8

9. 5, 10 _____, 40, 80, _____

10. ¼, _____,1, 2, _____, 8

Review

11. Sketch the graph of an increasing exponential function.



12. Draw the fourth figure in the pattern.

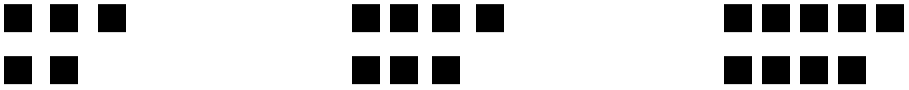


Figure 1 Figure 2 Figure 3 Figure 4

Value = _____ Value = _____ Value = _____ Value = _____