

Lesson 4.8C ~ Patterns and Functions

Name _____ Period _____ Date _____

Find the missing values in each sequence. Identify the start value (or first term) and the operation that must be performed to arrive at the next term.

1. 14, 17, 20, _____, 26, _____, _____
Start Value: _____
Operation: _____
2. 61, 55, _____, 43, 37, _____, 25, _____
Start Value: _____
Operation: _____
3. 7, 12, 17, _____, 27, _____, _____
Start Value: _____
Operation: _____
4. 2, _____, 16, _____, 30, 37, _____, _____
Start Value: _____
Operation: _____
5. 0.5, 0.9, _____, _____, _____, 2.5, _____
Start Value: _____
Operation: _____
6. _____, _____, 44, 66, _____, _____, 132
Start Value: _____
Operation: _____

For each sequence below, describe the start value and the operation performed to get to the next term. Give the 8th term in the sequence.

7. 3, 10, 17, 24, ...
Start Value: _____
Operation: _____
8th Term: _____
8. 9.9, 9.2, 8.5, 7.8, ...
Start Value: _____
Operation: _____
8th Term: _____
9. 8, 20, 32, 44, ...
Start Value: _____
Operation: _____
8th Term: _____
10. 320, 303, 286, 269, ...
Start Value: _____
Operation: _____
8th Term: _____
11. 80, 72, 64, 56, ...
Start Value: _____
Operation: _____
8th Term: _____
12. $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, 1, \dots$
Start Value: _____
Operation: _____
8th Term: _____