Analyzing Number Patterns

Name: _____

Date: _____

1. Continue the following patterns by *__adding__* the number given:

a) {add 4} 17, 21, ___, ___, ___

b) {add 9} 5, 14, ___, ___, ___

c) {add 6} 32, 38, ___, ___, ___

d) {add 7} 23, 30, ___, ___, ___

2. Continue the following patterns by *__subtracting__* the number given:

a) {subtract 4} 45, 41, ___, ___, ___

b) {subtract 7} 77, 70, ___, ___, ___

c) {subtract 3} 35, 32, ___, ___, ___

d) {subtract 11} 121, 110, ___, ___, ___

3. Circle the sequence of numbers that does *__NOT__* have a pattern rule:

a) 10, 16, 22, 28
b) 111, 101, 91, 81
c) 39, 31, 23, 11, 4
d) 54, 58, 62, 66

4. Identify the patterns:

a) 0, 6, 12, 18, 24, 30, 36

Circle the right answer: Shrinking or Growing
Identify the pattern rule: _____

b) 80, 72, 64, 56, 48, 40, 32

Circle the right answer: Shrinking or Growing
Identify the pattern rule: _____

c) 250, 255, 260, 265, 270, 275, 280

Circle the right answer: Shrinking or Growing

Identify the pattern rule: _____

5. A grocery store has $8975 in a special bank account. The manager takes out $15 a week to buy cleaning supplies. Use a table to show how much money will be left in the bank account every week for 10 weeks.

Week #	Money in bank account #
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	