

Total Points:
Score: _____

Exploring Patterns

A number pattern is a sequence of numbers that follow a certain rule. For example:

<u>Pattern</u>	<u>Rule</u>	<u>Proof</u>
1, 2, 3, 4, 5	add 1	$1+1=2+1=3+1=4+1=5$
50, 40, 30, 20, 10	subtract 10	$50-10=40-10=30-10=20-10=10$

A. Instructions: Write the next number in the sequence. Then, write what the pattern is for that sequence.

2, 4, 6, 8, 10, 12, _____

3, 6, 9, 12, 15, 18, _____

23, 20, 17, 14, 11, 8, _____

4, 14, 24, 34, 44, 54, _____

52, 44, 36, 28, 20, 12, _____

7, 14, 21, 28, 35, 42, _____

B. Instructions: Write the next number in each sequence according to the rule.

Add 5 55, 60, 65, _____, _____, _____

Subtract 11 88, 77, _____, _____, _____, _____

Add 9 0, _____, _____, _____, _____, _____