

Name: \_\_\_\_\_

## NUMBER PATTERN

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



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

1. 2, 4, 6, 8, 10, 12, \_\_\_\_\_
2. 3, 6, 9, 12, 15, 18, \_\_\_\_\_
3. 23, 20, 17, 14, 11, 8, \_\_\_\_\_
4. 4, 14, 24, 34, 44, 54, \_\_\_\_\_
5. 52, 44, 36, 28, 20, 12, \_\_\_\_\_
6. 7, 14, 21, 28, 35, 42, \_\_\_\_\_

Write the next number in each sequence according to the rule.

1. Add 5      55, 60, 65, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
2. Subtract 11      88, 77, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
3. Add 9      0, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_