

Name:

Class:

Homework number patterns G5.

1.

PA5-6: Extending a Pattern Using a Rule

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1. Continue the following sequences by adding the number given:

a) (add 3) 41 , 44 , _____ , _____ , _____

b) (add 5) 60 , 65 , _____ , _____ , _____

2.

2. Continue the following sequences, subtracting by the number given:

a) (subtract 2) 24 , 22 , _____ , _____ , _____

b) (subtract 3) 25 , 22 , _____ , _____ , _____

3.

3. State the rule for the following patterns:

a) 219, 212, 205, 198, 191 subtract _____ b) 11, 19, 27, 35, 43, 51 add _____

c) 301, 305, 309, 313 _____ d) 210, 198, 186, 174 _____

4.

4. Find the rule for the pattern. Then continue the pattern:

a) 22, 27, 32, 37, 42, 47

The rule is: Start at 22 and add 5 each time

b) 38, 45, 52, _____, _____, _____

The rule is:

c) 124, 136, 148, _____, _____, _____

The rule is:

5.

Read the rule to complete each table.

a Start at 5 and increase by 4 each time.

Term	1	2	3	4	5	6	7	8	9	10
Number	5									

b Start at 10. Decrease by 0.5 each time.

Term	1	2	3	4	5	6	7	8	9	10
Number	10	9.5								