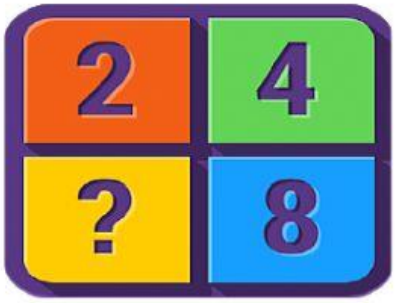
Name: _____

Date: _____



Mathematics Test
Number Patterns

(A) Determine which choice best describes the rule the pattern is using. Choose the correct answer. (4)

1. 9, 16, 23, 30,

(a) Add 5 (b) Subtract 7 (c) Add 7 (d) Subtract 5

2. 6, 12, 24, 48, 96

(a) Multiply 4 (b) Multiply 2 (c) Add 7 (d) Divide 9

3. 243, 81, 27, 9

(a) Divide 6 (b) Divide 3 (c) Add 7 (d) Multiply 3

4. 6, 30, 150, 750

(a) Divide 2 (b) Subtract 8 (c) Add 7 (d) Multiply 5

(B) Determine which choice best describes the rule the pattern is using. Choose the correct answer. Then complete the pattern. (6)

5. 36, 32, 28, 24, _____, _____

(a) Add 10 (b) Divide 2 (c) subtract 2 (d) Subtract 4

6. 80, 40, 20 _____, _____

(a) Subtract 8 (b) Divide 2 (c) Add 8 (d) Multiply 2

(C) Create a pattern, then find the number in the pattern.

7. Start at 5 and create a pattern with the rule **add 6**.
What is the **fifth number** in the pattern? _____

8. Start at 30 and create a pattern with the rule **subtract 5.**
What is the **fourth number** in the pattern? _____

9. Start at 2 and create a pattern with the rule **multiply 2**.
What is the **fourth number** in the pattern? _____

10. Start at 87 and create a pattern with the rule **subtract 9.**
What is the **third number** in the pattern? _____