

**Determine what rule the function machine is using.****Answers**

1)

| Input | Output |
|-------|--------|
| 46    | 58     |
| 21    | 33     |
| 20    | 32     |
| 27    | 39     |
| 50    | 62     |

- A. add 12  
B. add 28  
C. subtract 27  
D. subtract 34

2)

| Input | Output |
|-------|--------|
| 36    | 43     |
| 20    | 27     |
| 29    | 36     |
| 26    | 33     |
| 17    | 24     |

- A. subtract 10  
B. add 3  
C. add 11  
D. add 7

3)

| Input | Output |
|-------|--------|
| 38    | 44     |
| 18    | 24     |
| 44    | 50     |
| 40    | 46     |
| 47    | 53     |

- A. subtract 31  
B. add 6  
C. subtract 29  
D. add 29

4)

| Input | Output |
|-------|--------|
| 12    | 24     |
| 45    | 57     |
| 27    | 39     |
| 35    | 47     |
| 39    | 51     |

- A. subtract 25  
B. add 12  
C. subtract 28  
D. add 21

5)

| Input | Output |
|-------|--------|
| 36    | 46     |
| 22    | 32     |
| 25    | 35     |
| 14    | 24     |
| 34    | 44     |

- A. add 10  
B. subtract 23  
C. subtract 17  
D. add 27

6)

| Input | Output |
|-------|--------|
| 23    | 17     |
| 36    | 30     |
| 34    | 28     |
| 42    | 36     |
| 38    | 32     |

- A. add 21  
B. subtract 6  
C. subtract 17  
D. subtract 16

7)

| Input | Output |
|-------|--------|
| 57    | 47     |
| 54    | 44     |
| 53    | 43     |
| 56    | 46     |
| 22    | 12     |

- A. add 23  
B. subtract 10  
C. add 20  
D. add 21

8)

| Input | Output |
|-------|--------|
| 27    | 22     |
| 38    | 33     |
| 35    | 30     |
| 48    | 43     |
| 47    | 42     |

- A. add 9  
B. subtract 5  
C. add 8  
D. add 7

9)

| Input | Output |
|-------|--------|
| 30    | 45     |
| 33    | 48     |
| 14    | 29     |
| 35    | 50     |
| 43    | 58     |

- A. subtract 15  
B. subtract 17  
C. add 15  
D. subtract 9

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_



Determine what rule the function machine is using.

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| 23    | 17     |
| 36    | 30     |
| 34    | 28     |
| 42    | 36     |
| 38    | 32     |

- A. add 21  
B. subtract 6  
C. subtract 17  
D. subtract 16

7)

| Input | Output |
|-------|--------|
| 57    | 47     |
| 54    | 44     |
| 53    | 43     |
| 56    | 46     |
| 22    | 12     |

- A. add 23  
B. subtract 10  
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| Input | Output |
|-------|--------|
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9)

| Input | Output |
|-------|--------|
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| 14    | 29     |
| 35    | 50     |
| 43    | 58     |

- A. subtract 15  
B. subtract 17  
C. add 15  
D. subtract 9

**Answers**

1. **A**  
2. **D**  
3. **B**  
4. **B**  
5. **A**  
6. **B**  
7. **B**  
8. **B**  
9. **C**