



Determine what rule the function machine is using.

1)

| Input | Output |
|-------|--------|
| 13    | 17     |
| 20    | 24     |
| 22    | 26     |
| 41    | 45     |
| 42    | 46     |

- A. Subtract 4
- B. Subtract 5
- C. Add 4
- D. Add 5

2)

| Input | Output |
|-------|--------|
| 14    | 20     |
| 28    | 34     |
| 37    | 43     |
| 42    | 48     |
| 50    | 56     |

- A. Subtract 6
- B. Add 6
- C. Add 8
- D. Add 5

3)

| Input | Output |
|-------|--------|
| 25    | 14     |
| 42    | 31     |
| 42    | 31     |
| 50    | 39     |
| 59    | 48     |

- A. Subtract 8
- B. Subtract 14
- C. Subtract 11
- D. Add 11

4)

| In | Out |
|----|-----|
| 26 | 16  |
| 32 | 22  |
| 44 | 34  |
| 48 | 38  |
| 55 | 45  |

- A. Subtract 11
- B. Add 10
- C. Add 11
- D. Subtract 10

5)

| Input | Output |
|-------|--------|
| 10    | 19     |
| 22    | 31     |
| 23    | 32     |
| 24    | 33     |
| 46    | 55     |

- A. Add 9
- B. Subtract 10
- C. Add 10
- D. Add 6

6)

| In | Out |
|----|-----|
| 17 | 30  |
| 24 | 37  |
| 31 | 44  |
| 40 | 53  |
| 41 | 54  |

- A. Add 15
- B. Subtract 13
- C. Subtract 15
- D. Add 13

7)

| In | Out |
|----|-----|
| 15 | 25  |
| 18 | 28  |
| 36 | 46  |
| 46 | 56  |
| 48 | 58  |

- A. Subtract 10
- B. Add 10
- C. Subtract 13
- D. Add 13

8)

| In | Out |
|----|-----|
| 20 | 13  |
| 31 | 24  |
| 38 | 31  |
| 44 | 37  |
| 54 | 47  |

- A. Subtract 10
- B. Add 10
- C. Add 7
- D. Subtract 7

9)

| Input | Output |
|-------|--------|
| 21    | 11     |
| 28    | 18     |
| 30    | 20     |
| 31    | 21     |
| 45    | 35     |

- A. Add 10
- B. Subtract 8
- C. Subtract 10
- D. Subtract 13

**Answers**

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