Fresh Math

Algebra 1 - Unit 2 - Inputs and Outputs (Challenge)

1. Pattern: (2, 16), (7, 31). Find output for input 6

2. Rule: $3(x + 7) + 3$, Output: 33, Input: ?

3. Rule: $4(x + 7) + 10$, Output: 50, Input: ?

4. Rule: $4(x + 3) + 10$, Output: 42, Input: ?

5. Pattern: (3, 18), (8, 38). Find output for input 5

6. Rule: $6(x + 15)$, Input: 4, Output: ?

7. Rule: $3(x + 9)$, Input: 3, Output: ?

8. Pattern: (3, 18), (8, 43). Find output for input 10

Algebra 1 - Unit 2 - Inputs and Outputs (Challenge) - Answer Key

1. Pattern: (2, 16), (7, 31). Find output for input 6

   x = 28

2. Rule: 3(x + 7) + 3, Output: 33, Input: ?

   x = 3

3. Rule: 4(x + 7) + 10, Output: 50, Input: ?

   x = 3

4. Rule: 4(x + 3) + 10, Output: 42, Input: ?

   x = 5

5. Pattern: (3, 18), (8, 38). Find output for input 5

   x = 26

6. Rule: 6(x + 15), Input: 4, Output: ?

   x = 114

7. Rule: 3(x + 9), Input: 3, Output: ?

   x = 36

8. Pattern: (3, 18), (8, 43). Find output for input 10

   x = 53