generalizing patterns

February 14, 2017

Question 1. Construct a function f with f(1) = 3, f(2) = 4 and f(3) = 5.

Question 2. Construct a function f with f(1) = 3, f(2) = 4 and f(3) = 7.

Question 3. Construct a function f with f(1) = 3, f(2) = 4 and f(14) = 7.

Question 4. Construct a function f with f(11) = 5, f(8) = 10 and f(4) = 4.

Question 5. Construct ten different function f with f(1) = 1, f(2) = 2 and f(4) = 4.

Question 6. Suppose f is a function with f(1) = 3 and g is a function with g(4) = 7. Make a function h by combining f and g in some fashion (add, subtract, multiply, etc.) so that h(1) = 3 and h(4) = 7.