ANSWERS

A)_____

B)_____

C)_____ _____

A)   If $f(x) = 4x + 6$ and $f^{-1}(z) = z$ find z.

B)   If $f(x) = 1 + f(x - 10)$ for all real x, and if $f(5) = 2$ find $f(2005)$.

C)   Given $h(x) = x^3 + 3x + 4.5$, $g(x) = \dfrac{1}{x} + 3$, and $f(x) = \dfrac{x+3}{2}$ evaluate

$g \circ f \circ h \circ h^{-1} \circ g^{-1} \circ f^{-1}(2)$