ANSWERS

A) _____

B) _____

C) (_____ , _____ , _____)

A) Given: $f(x) = -7$, $g(x) = x^2 + 4$ and $h(x) = -2x$

Compute $f\big(g(h(-3))\big) + g\big(f(h(2014))\big) + h\big(g(-3)\big)$.

B) Given: $y = f(x)$ is a linear function and $f(f(x)) = 4x + 15$

Compute <u>all</u> possible values of $f(2)$.

C) Given: $f(x) = 2x^3 - 3x^2 + 8x - 1$

For a specific value of h, $f(x + h) = 2x^3 + Bx + C$, that is, the quadratic term disappears.
Compute the ordered triple (h, B, C).