Evaluating Composition of Functions

A) 1) If $f(x) = \frac{2x}{3-x}$, $g(x) = 2x^2 - 4x + 6$ and $h(x) = \frac{x}{8}$, evaluate the following.

a) $h(f(-3))$

b) $h(g(1))$

2)

3)

B) 1) If $g(x) = 8x - 1$ and $h(x) = \frac{1}{3^x - 1}$, which of the following represents $g(h(2))$?

i) -1 ii) 4 iii) 2 iv) 0

2) If $f(x) = \log_{10} x$ and $h(x) = x^3 + 9x$, which of the following represents $(h \circ f)(10)$?

i) 9 ii) 10 iii) -1 iv) 1