Question 2:

My student number is 101037159

There for I will evaluate…

(λa.λb.(λc.λd.λe.cde)ab(λf.(λg.f)))(λh.(λi.i))(λj.(λk.j)) using beta reduction

(λb.(λc.λd.λe.cde)(λh.(λi.i))b(λf.(λg.f))(λj.(λk.j))

(λc.λd.λe.cde)(λh.(λi.i))(λj.(λk.j))(λf.(λg.f))

(λd.λe.(λh.(λi.i))de)(λj.(λk.j))(λf.(λg.f))

(λe.(λh.(λi.i))(λj.(λk.j))e)(λf.(λg.f))

(λh.(λi.i))(λj.(λk.j))(λf.(λg.f))

(λi.i))(λf.(λg.f))

λf.(λg.f)

Question 3:

My student number is 101037159

There for I will evaluate…

secret (puzzle (enigma 3 5) 7) 9

puzzle :: Int -> Int -> Int

puzzle a b = a \* b

enigma :: Int -> Int -> Int

enigma a b = a - b

secret :: Int -> Int -> Int

secret a b = b - a

secret (puzzle (enigma 3 5) 7) 9

9 - (puzzle (enigma 3 5) 7)

9 - ((enigma 3 5) \* 7)

9 - ((3 - 5) \* 7)

9 - ((-2) \* 7)

9 - (-14)

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