

1.1.1:

a) $T1 = T5$, $T5 = T3 \rightarrow T4$, $T2 = \text{Number}$

b) $T1 = \text{Number}$ & $T1 = \text{Symbol} \Rightarrow \text{No MGU}$

c) $T1 = T1$

d) $\{\}$

1.1.2:

a) True: g gets a ($=T1$) and returns T2, f gets T2 and returns T3 as needed.

b) True: f gets x ($=T1$) so $T2 = T1$ and returns T1 as needed.

1.2

(define f (lambda (x) x))

(define a 5) (define d 8)

(f a)

(f b)

(f c)

(f d)