Exercise 1:

Exercise 2:

AProg (Let ("pred", Proc ("x", Sub (Var "x", Int 1)), App (Var "pred", Int 5)))

Exercise 3:

1. Int 1, Var “x”
2. EmptyEnv, extend\_env “x” env (NumVal 1 )
3. NumVal 1

Exercise 4:

interp "proc (x) {x-11}";;

- : exp\_val =

ProcVal ("x", Sub (Var "x", Int 11),

ExtendEnv ("i", NumVal 1,

ExtendEnv ("v", NumVal 5, ExtendEnv ("x", NumVal 10, EmptyEnv))))

Exercise 5:

proc (x) { let y=2 in x }