17-363/17-663: Programming Language Pragmatics, In-Class Exercises November 2, 2021

Andrew ID: _____

1. [Value Numbering]. Perform value numbering optimization on the following:

v1 := x

v2 := 3

v3 := v1 + v2

v4 := 1

v5 := x

v6 := 2

v7 := v4 + v6

v8 := v5 + v7

v9 := v8 - v3