Philosophy 110
Introductory Logic
Spring 2008

Homework Assignment #12
Due at the beginning of class on April 14

Exercises 10-1
12, 20

Exercises 10-2
6, 22, 26, 28

Exercises 10-3
2, 4, 5

Symbolization Using Identity
Symbolize the following sentences using the interpretation given below.

D: things
A①: ① is an author.
E①②: ① is more entertaining than ②.
F①: ① flies.
K①②: ① kissed ②
P①: ① is a pig.
W①②: ① wrote ②.
c: Clemens
f: *Huckleberry Finn*
h: Horton
t: Twain

1. If Twain is Clemens, and Twain wrote *Huckleberry Finn*, then Clemens wrote *Huckleberry Finn*.
2. Twain is more entertaining than any other author.
3. At most one pig kissed Horton.
4. At least two pigs fly.
5. At most two pigs fly.
6. Exactly two pigs fly.
7. At least three things exist.

Exercises 11-1
2, 4, 6, 8, 10