# WORKSHEET A3.1 – Answer Sheet

# Data Types

1. a. legal

b. not legal; identifiers cannot start with a number.

c. legal

d. legal

e. not legal; identifiers cannot have any spaces.

f. not legal; reserve words cannot be identifiers.

g. legal

2. a. legal

b. not legal; a number with a decimal point cannot be assigned to an int**.**

c. legal; converts 5 to 5.0

d. not legal; change to: float num4 = 5.9f; OR change float to double**.**

e. not legal; change to: float num5 = 4.34e5f; OR change float to double.

f. legal

g. legal; actually assigns ‘T’ to ch2 – see ASCII table.

h. legal

i. not legal; no commas allowed.

j. not legal; no $ allowed.

k. legal

1. The letters of the word Java

have ASCII positions 74, 97, 118 and 97

4. 10+5 is 15

10+5.0 is 15.0

15/4 is 3

15/4 is 3.0

15/4.0 is 3.75

15 % 4 is 3

17.84 % 2.3 is 1.74