

## 2.3 Java and Math

Name: \_\_\_\_\_.

**Question 1.** What is the value of each expression after it is evaluated? If the statement is an error, please write Syntax Error.

a. `1 / 4`

b. `4.0 / 2`

c. `1.0 / 4.0`

d. `int x = 4.0 / 2`

e. `double x = 1 / 4`

**Question 2.** What is the value of x after each expression? If it is an error, write Syntax Error.

a. `int x = (int) 4.999;`

b. `double x = (int) 0.999;`

c. `int x = (double) 8;`

d. `int x = (int) 4.999 / (int) 2.5;`

e. `int x = (int) (4.5 / 0.9);`