CSC 108 Quiz # 6 Name Answer Key

Multiple Choice: /* 3 points each */

E 1. Consider these Processing functions:

```
int double( int num ) {
    return 2*num;
}

int triple( int num ) {
    return 3*num;
}
```

What is the result of the expression `double(triple(double(2)))` ?

A) 0 B) 2 C) 12 D) 16 E) 24 G) None of these

C 2. For the same two Processing functions defined in question # 1, what is the result of the expression `triple(double(25) / 2)` ?

A) 25 B) 50 C) 75 D) 150 E) 250 G) None of these

Short Answer:

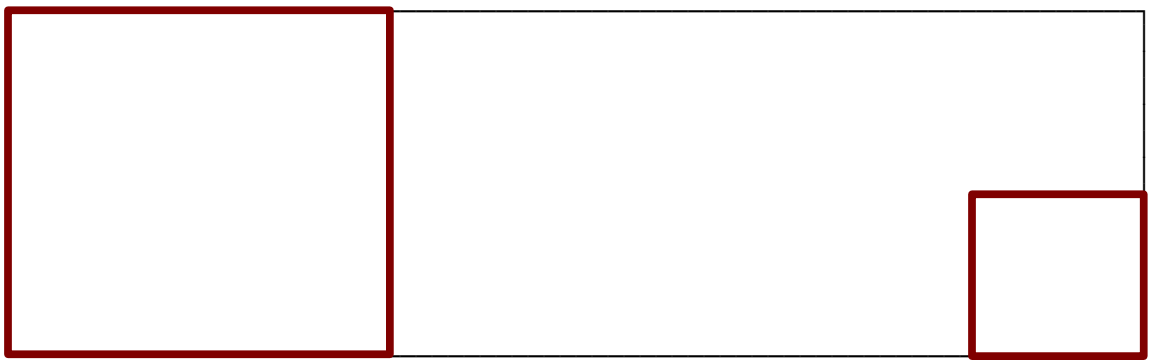
1. In the functions defined in Multiple Choice question # 1, give the name of a parameter in one of the functions. /* 3 points */

num is a parameter. int is a data type, and double and triple are names of functions.

2. The box below represents the output window for a Processing program. Draw shapes inside the box that shows the location, the width and the height of what would be displayed by the following Processing code: /* 8 points */

```
void setup() {
    size( 480, 120 );
    noFill();
    drawSquare( 120, 0, 0 );
    drawSquare( 60, 420, 60);
}

void drawSquare( int size, int x, int y) {
    stroke(255,0,0);
    rect(x, y, size, size);
}
```



Short Answer (continued):

3. Show what is printed in the Console by the following program: /* 8 points */

```
void setup() {
    int yards = 2;
    print(yards + " yards equals ");
    printInches( yards );
    print(" inches.");
}

void printInches( int yds ) {
    int inches = 36 * yds;
    print( inches );
}
```

2 yards equals 72 inches.