

Multiple Choice: /* 3 points each */

_____ 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

_____ 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 */

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 );  
}
```