

## Quiz – Winter '12

1. What best describes what the following processing sketch displays?

```
line(0,0,50,50);
```

- A. A line from the lower left corner to the center
- B. A line from the upper left corner to the center
- C. A line from the center to the lower right corner
- D. A line from the center to the upper right corner

2. The normal or default way to specify a rectangle in Processing is to provide the width and height of the rectangle and \_\_\_\_\_.

- A. The location of the lower left corner
- B. The location of the upper right corner
- C. The location of the center
- D. The location of the lower right corner
- E. The location of the upper left corner

3. Which of the following draws a small white circle in the middle of a large black square?

<b>A</b> rectMode(CENTER); ellipseMode(CENTER); rect(50,50,50,50); fill(0); ellipse(50,50,9,9); fill(255);	<b>B</b> rectMode(CENTER); ellipseMode(CENTER); ellipse(50,50,9,9); fill(255); rect(50,50,50,50); fill(0);	<b>C</b> rectMode(CENTER); ellipseMode(CENTER); fill(0); rect(50,50,50,50); fill(255); ellipse(50,50,9,9);	<b>D</b> rectMode(CENTER); ellipseMode(CENTER); fill(255); ellipse(50,50,9,9); fill(0); rect(50,50,50,50);
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4. A multi-line comment in Processing begins with what two symbols?

- a. //
- B. /\*
- C. </
- D. \$\$
- E. %%

5. True or false, names in processing are not case sensitive, so ellipse(1,2,3,4) is the same as Ellipse(1,2,3,4)?

6. Which modification to the following program makes it so that the display shows a single circle at the location of the mouse? The circle should move to follow the mouse but leave no trail – just the one circle should be visible.

```
void draw(){  
    //insertion position 1  
    ellipse(mouseX, mouseY, 50,50);  
    //insertion position 2  
}
```

- A. Don't insert anything – the code is fine as is
- B. Insert background(255); at position 1
- C. Insert background(255); at position 2
- D. Either B or C will work

7. Which of the following statement sequences draws a solid red square with no outline?

- a. `noStroke(); fill(255,0,0); rect(20,20,50,50);`
- b. `noStroke(); fill(0,255,0); rect(20,20,50,50);`
- c. `stroke(0); fill(255,0,0); rect(20,20,50,50);`
- d. `stroke(0); fill(0,255,0); rect(20,20,50,50);`

8. Which of these statement sequences draws just a red outline of a square?

- a. `fill(0); stroke(0,255,0); rect(20,20,50,50);`
- b. `fill(0); stroke(255,0,0); rect(20,20,50,50);`
- c. `noFill(); stroke(0,255,0); rect(20,20,50,50);`
- d. `noFill(); stroke(255,0,0); rect(20,20,50,50);`

9. Which of these statement sequences draws a blue square with a yellow outline?

- a. `stroke(0,0,255); fill(255,255,0); rect(20,20,50,50);`
- b. `stroke(255,255,0); fill(0,0,255); rect(20,20,50,50);`
- c. `rect(20,20,50,50); stroke(0,0,255); fill(255,255,0);`
- d. `rect(20,20,50,50); stroke(255,255,0); fill(0,0,255);`

10. What should go in the blanks so that this draws a solid white square covering the entire upper left quarter of the default 100x100 display with the rest of the display yellow?

```
background(255,255,0);  
noStroke();  
fill(255);  
rect(____ , ____ , 50,50);
```

- a. 0, 0
- b. 25, 25
- c. 50, 50
- d. 75, 75
- e. 100, 100