

Exercises Solutions:

- 1) What value is returned by the following conditionals when `int x = 120`?

```
! (x > 142) true      (x != 4) && (x/10 < 10) false  
(x+1)%2 <= x%2) false      true || ! (min(x,x/5*5) true  
                           >= x)
```

- 2) Fill in the blanks below. The program should print out "Yes" if either 'y' or 'Y' is pressed or print out "No" if any other key is pressed:

```
void keyPressed() {  
    if (key == 'y' || key == 'Y'       ) {  
        println("Yes"       );  
    } else {  
        println("No"       );  
    }  
}
```

- 3) Examine the Processing code below. Fill in the table on the right for what gets drawn:

```
int x = 0;  
void draw() {  
    background(255);  
    if (x == 0) {  
        ellipse(...);  
    } else if (x > 3) {  
        line(...);  
    } else if (x != 2) {  
        rect(...);  
    } else {  
        triangle(...);  
    }  
    x = x + 1;  
}
```

frameCount	x	What's drawn?
1	0	ellipse
2	1	rectangle
3	2	triangle
4	3	rectangle
5	4	line

- 4) Write Processing code below that prints out the sign of the variable `int n`. It should print one of the following messages: "positive", "zero", or "negative".

```
if (n > 0) {  
    println("positive");  
}  
else if (n == 0) {  
    println("zero");  
}  
else {  
    println("negative");  
}
```

- 5) Go to the course website and get started on the homework titled "Jumping Monster."
[individual]