

✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Module 4 practice quiz on IF statements

TOTAL POINTS 8

1. What is the truth value of the following expression?

1 / 1 point

`(-8 >= 9) || (14 > 2)`

- ☒ True
☐ False

✓ Correct

2. What is the truth value of the following expression?

1 / 1 point

`(5 > 0) && (7 > 0)`

- ☒ True
☐ False

✓ Correct

3. What is the truth value of the following expression?

1 / 1 point

`(8 != 7) && (4 > 4)`

- ☐ True
☒ False

✓ Correct

4. What is the truth value of the following expression?

1 / 1 point

`!(8 >= 2*3) || (7 >= 11)`

- ☐ True
☒ False

✓ Correct

5. What is the output for the following code segment?

1 / 1 point

```
1 int x = 10;  
2 int y = 27;  
3 - if (x > y){  
4     x = x + y;  
5 }  
6 Out.println(x);
```

- ☐ 20
☒ 10
☐ 37
☐ 27

✓ Correct

6. What is the output of the following code?

1 / 1 point

```
1 int age = 21;
2 if (age >= 18){
3     Out.println("your cost is discounted by 50%");
4 }
5 if (age >= 21){
6     Out.println("You can purchase a wristband for $10");
7 }
8 if (age >= 18){
9     Out.println("your cost is discounted by 15%");
10 }
11 else{
12     Out.println("You may enter for free");
13 }
```

- ☐ 1 you can purchase a wristband for \$10
- ☐ 1 your cost is discounted by 50%
2 you can purchase a wristband for \$10
3 your cost is discounted by 15%
4 you may enter for free
- ☒ 1 you can purchase a wristband for \$10
2 your cost is discounted by 15%
- ☐ 1 you can purchase a wristband for \$10
2 your cost is discounted by 15%
3 you may enter for free

✓ Correct

7. What is the output of the following code?

1 / 1 point

```
1 int x = -7;
2
3 if(x > 0){
4     Out.println(x + 10);
5 }
6 else if (x == 0){
7     Out.println(x);
8 }
9 else{
10    Out.println(x + 10);
11 }
```

- ☐ 3
- ☒ -17
- ☐ -7
- ☐ -7
- ☐ 3

✓ Correct

8. What value of x would produce the desired output seen below?

1 / 1 point

```
1 if (x > 10){
2     Out.println("Above average");
3 }
4     Out.println("Should continue with the program");
5 }
6     Out.println("May want to continue with the program");
7 }
8 }
9     Out.println("Do not continue, move to another section");
10 }
```

Desired output:

```
1 Above average
2 May want to continue with the program
```

- ☒ 16
- ☐ 23
- ☐ 7
- ☐ -4

✓ Correct