Congratulations! You passed!
TO PASS 80% or higher

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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){
```

```
int x = 10;
int y = 27;
if (x > y){
    x = x + y;
}
Out.print(x);
```

- 27
- 37
- 20
- 10 (selected)

Correct

6. What is the output of the following code? **1 / 1 point**

```
int age = 23;
if (age >= 55){
   Out.println("Your cost is discounted by 10%");
}
if (age >= 21){
   Out.println("You can purchase a wristband for $10");
}
if (age >= 16){
   Out.println("Your cost is discounted by 15%");
}
else{
   Out.println("You may enter for free");
}
```

-
```
You can purchase a wristband for $10
Your cost is discounted by 15%
You may enter for free
```
-
```
Your cost is discounted by 10%
You can purchase a wristband for $10
Your cost is discounted by 15%
You may enter for free
```
- (selected)
```
You can purchase a wristband for $10
Your cost is discounted by 15%

```
-
```
You can purchase a wristband for $10
```

7. What is the output of the following code? 1 / 1 point

```
if(x > 0){
   Out.println(x + 10);
}
else if (x == 0){
   Out.println(x);
}
else{
   Out.println(x - 10);
}
```

- 3
- -17
- -7

3

Correct

8. What value of x would produce the desired output seen below? 1 / 1 point

```
if (x > 10){
   Out.println("Above average");
   if (x > 20){
      Out.println("Should continue with the program");
   else {
      Out.println("May want to continue with the program");
   }
else{
   Out.println("Do not continue, move to another section");
}
```

Desired output:

```
Above average
else{
   Out.println("Do not continue, move to another section");
}
```

Desired output:

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

- 7
- 23
- -4
- 16

Correct