

Module 1: Boolean Expressions and ...

100% (7/7)

- ✓ 1. What does the following expression using OR (||) evaluate to?

TRUE || FALSE

- ☒ A True
☐ B False

- ✓ 2. What does the following expression using AND (&&) evaluate to?

FALSE && FALSE

- ☐ A True
☒ B False

- ✓ 3. What does the following expression using XOR (^) evaluate to?

TRUE ^ TRUE

- ☐ A True
☒ B False

- ✓ 4. `int a = 10;`
`int b = 20;`
`bool c = !(a > b);`

What is the value of c?

- ☒ A True
☐ B False

- ✓ 5. `int a = 5;`
`int b = 8;`
`int c = 15;`

`bool d = (a < b) || (c % a == 0);`

What is the value of d?

- ☒ A True
☐ B False

- ✓ 6. What does the below code block print out?

```
int sum = 14;

if ( sum < 20 )
{
    Console.WriteLine("Under");
}
else
{
    Console.WriteLine("Over");
}
Console.WriteLine("the limit");
```

- ☐ A Under
- ☐ B Over
- ☒ C Under
the limit
- ☐ D Under
Over
the limit
- ☐ E the limit

- ✓ 7. `bool male = false;`
`int age = 30;`

```
if( male )
{
    if( age < 20 )
    {
        Console.WriteLine("Boy");
    }
    else
    {
        Console.WriteLine("Man");
    }
}
else
{
    if( age < 20 )
    {
        Console.WriteLine("Girl");
    }
    else
    {
        Console.WriteLine("Woman");
    }
}
```

- ☐ A Boy
- ☐ B Man
- ☐ C Girl
- ☒ D Woman
- ☐ E This won't compile