Assignment #3

1. 3 \* 4 = 12
2. 7 ^ 2 = 49
3. 1/(2^3) = .125
4. 3 + (4\*5) = 23
5. (5-3) \* 4 = 8
6. 3 \* ((-2)^5) = -32

From 7-10 I will assume the data type is double.

1. 2.333….
2. 2.0
3. 1.0
4. 3.5
5. Its not valid because it has a period character.
6. It is not valid because it has an ampersand character.
7. It is a valid name.
8. It is not valid because it starts with a number.
9. It is not valid because it has a question mark character.
10. It is not valid because it has a space.
11. 10
12. 14
13. 16
14. 16
15. 9
16. 64

|  |  |  |
| --- | --- | --- |
|  | X | y |
| Private Sub btnEvaluate Click(…) Handles btnEvaluate.Click |  |  |
| Dim x, y as Double |  |  |
| X = 2 | 2 |  |
| Y = 3 \* x | 2 | 6 |
| X = y + 5 | 11 | 6 |
| lstResults.Items.Clear() | 11 | 6 |
| lstResults.Items.Add(x+4) | 15 | 6 |
| Y = y+1 | 15 | 7 |
| End Sub |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | bal | inter | withDr |
| Private Sub btnEvaluate Click(…) Handles btnEvaluate.Click |  |  |  |
| Dim bal, inter, withDr as Double |  |  |  |
| Bal = 100 | 100 |  |  |
| Inter = 0.05 | 100 | 0.05 |  |
| withDr = 25 | 100 | 0.05 | 25 |
| bal += inter \* bal | 105 | 0.05 | 25 |
| bal = bal - withDr | 80 | 0.05 | 25 |
| End Sub |  |  |  |