

Worksheet 1: Variables, Expressions, and Statements

Name: _____

1. Write the C# code for doing each of these things:

a. Create an integer variable named "myScore":

b. Create a string variable named "playerName":

c. Assign a value of 42 to a variable named "answer":

d. Create a variable that will keep track of how many cards have been played:

2. Create a program that first creates these variables:

```
int size = 10;  
int count = 7;  
string name = "John";
```

Then have the program evaluate these expressions and write the resulting value for each.
(See if you can guess what the value will be before having the program run.)

- a. $4 + 10 * 3 - 2$ _____
- b. $(4 + 10) * (3 - 2)$ _____
- c. `size / 3` _____
- d. `"Hello, " + name` _____
- e. `count % 2` _____
- f. `size % 2` _____

3. Assume you have a window with a text box named `textBoxInput` and a text block named `textOutput`. Write the code necessary to do the following:

a. Display the message, "hello!" in the text block.

b. Assign the text typed into the text box to a string variable named `name`.

c. Convert the text from the text box to an integer and assign it to a variable named `age`.

d. Display the message, "Hello, xxx" in the text block, where xxx is the value of the string variable named `name`.

e. Display the message, "You are xxx years old" in the text block, where xxx is the value of the integer variable named `age`.
