Casting in C#  
  
Assume we have the following variables declared or properties available:

**Variables**

int intA=100;  
int intB;  
double dblC=50.5;  
double dblD;  
bool blnFlag = false;  
string strSales="55.65";

**Objects**

txtTotalSales.Text (empty)  
lblSalesTax.Text = ".098";  
txtOutput.Text (empty)

I suggest you create a new **Visual Studio C# Windows Form project** and copy the above variable declarations into the code as class level variables (below the class declaration near the top). Create and name the three objects (2 text boxes and one label) on the form. Lastly, create a Form Load event handler and have the editor help you with your casting by entering each problem below. A red underline indicates an error. Highlight the error with your mouse for error details. Keep in mind that you might have to change the quotation marks in problems 15-17. Microsoft Office formats opening and closing “quotations” different than typical "Text Editors ". I have tried to change the quotes in this document but when I copy it to Canvas some revert.

**Provide the correct casting for the following problems** (1 points each unless otherwise noted) **as well as the result of the assignment statement**. Remember you only need to cast when the editor tells you so.

**Replace the lines with your answers**. Do not remove the problem numbers. Refer to the Casting handout I provided (as well as research and notes) for help.

1. dblD = intA;

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2. intB = intA;

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3. txtTotalSales.Text = strSales \* 2;

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4. intB = strSales; //What will the challenge be?

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5. intB = 22/7;

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6. dblD = intA/3;

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7. lblSalesTax.Text = dblD;

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8. txtTotalSales.Text = strSales;

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9. dblD = txtTotalSales.Text;

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10. dblD = dblC \* lblSalesTax.Text;

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11. txtOutput.Text = blnFlag;

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12. txtOutput.Text = (dblC \* lblSalesTax.Text) + strSales; //format output currency with 2 decimal places (2 points)

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13. txtOutput.Text = strSales; //Format output currency with 2 decimal places (2 points)

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14. txtTotalSales.Text = lblSalesTax.Text ; //Format output as a percentage with 1 decimal place (2 points)

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15. txtTotalSales.Text = “The total is "+ strSales +" dollars";

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16. txtTotalSales.Text = "The total is "+ dblC +" dollars"; //No $

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17. txtOutput.Text = "A circle with the radius "+ dblC + " is " + dblC \* dblC \* Math.Pi;

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