```
5 ⊟using System;
     using System.Collections.Generic;
     using System.Linq;
     using System.Text;
     using System.Threading.Tasks;
    using SpreadsheetUtilities;
12 ⊟namespace SS
    |{
14 🛱
         /// The Cell class provides an object place holder in the spreadsheet class.
         /// The value of a cell can be (1) a string, (2) a double, or (3) a FormulaError.
         /// (By analogy, the value of an Excel cell is what is displayed in that cell's position
         /// in the grid.)
         /// If a cell's contents is a string, its value is that string.
         /// If a cell's contents is a Formula, its value is either a double or a FormulaError,
         /// of course, can depend on the values of variables. The value of a variable is the
         /// is undefined (otherwise).
32
             // the name of the cell
             private string name;
             // the contents vs value ex, formula vs. evaluated formula
             private object contents, value;
   Ε
             /// The Cell constructor for a double
             /// <param name="name"></param>
             /// <param name="number"></param>
             1 reference
             public Cell(string name, double number)
                 this.name = name;
                 this.contents = number;
                 this.value = number;
             }
             /// The Cell constructor for a text string
             /// <param name="name"></param>
                 <param name="text"></param>
             1 reference
58 🖻
             public Cell(string name, string text)
                 this.name = name;
                 this.contents = text;
                 this.value = text;
             }
65
             /// <summary>
             /// Formula gets passed in omitting the = at the beginning
             /// calculated using the Formula.Evaluate() method passing
             /// <param name="name"></param>
             /// <param name="lookup"></param>
             1 reference
75 🖻
             public Cell(string name, Formula formula, Func<string, double> lookup)
                 this.name = name;
                 this.contents = formula;
                 this.value = formula.Evaluate(lookup);
82 E
             /// </summary>
             public string GetName()
86 🖃
                 return name;
             }
91 🖃
95 E
             public object GetContents()
                 return contents;
100 🖻
             /// <param name="number"></param>
104 🖹
             public void SetDoubleCellContents(double number)
             {
                 this.contents = number;
107
                 this.value = number;
             }
109
             /// Sets the contents of a cell to this text string
                 <param name="text"></param>
114 🖻
             public void SetTextCellContents(string text)
             {
                 this.contents = text;
                 this.value = text;
120 🖻
             /// <summary>
             /// <param name="formula"></param>
             /// <param name="lookup"></param>
125
             public void SetFormulaCellContents(Formula formula, Func<string, double> lookup)
126
                 this.contents = formula;
128
             }
130 🖹
134 🖻
```

public object GetValue()

□/// Written by Camille Rasmussen