Comments

/*
   can span several lines.
*/

or

//

Line-oriented // Comment syntax:

•
/*
 * From code.
 * the comments, and distinguish them
 * Why? It makes it easier to identify
 */

• For block-oriented comments, I suggest:

Comments (cont.)
Class Definitions

• Class definition syntax: [...] means optional.
Examples
method calls.

\textbf{NOTE:} Infix notation for arithmetic expressions, and "dot" notation for

\begin{verbatim}
{
{
(rectPizza.dArea()) / (rectangle.dArea())
} > (circle.dArea()) / (circle.dArea())
}
System.out.println("Then rectangular pizza: ");
System.out.println("Round pizza is a better deal + ");
System.out.println(rectPizza);
System.out.println(circle);
System.out.println("output to standard output stream. //

Examples (cont.)
\end{verbatim}
{ public class Rectangle extends Shape

  private double width;
  private double height;

  // the underscore helps distinguish the field from the parameter.
  // width = dmWidth;
  // height = dmHeight;

  public Rectangle(double dmWidth, double dmHeight)
  {
    width = dmWidth;
    height = dmHeight;
  }

  (cont.)
{ 
    "height = " + height + ",
    width = " + width + 
}

public String toString()
{
    return "rectangle (width = " + width + " height = " + height + ");
}

public double area()
{
    return height - height - height - height - 
}

Examples (cont.)
Field Definitions

Field list syntax: A field list consists of zero or more field declarations of

\[
\text{field-type field-name [assignment] ;}
\]

\[
[\text{static}] [\text{public} | \text{private}]
\]

The form:
NOTE: The constructor's name is the same as the class name.

Instantiation only.

Constructors are used for initialization of the object during the object's
constructor definitions of the form:

```java
[public | private] class-name(abstract|test]
```

Constructor list syntax: A constructor list consists of zero or more

Constructor Definitions

January 22, 2001
A return type void means the method does not return any value.

```java
{  
  [statement-list]
  
  return-type method-name[[param-type]]
  [static] [public | private] [abstract]
}
```

Method Definitions

Method List Syntax: A method list consists of zero or more method definitions.
Method Definitions (cont.)