Geometric Object

-color: String
-filled: boolean
-dateCreated: java.util.Date

+GeometricObject()
+GeometricObject(color: String, filled: boolean)
+getColor(): String
+setColor(color: String)
+isFilled(): boolean
+setFilled(filled: boolean)
+ getDateCreated(): java.util.Date
+toString(): String
+getArea(): double
+compareTo(o: GeometricObject): int

△

Triangle

-side1: double
-side2: double
-side3: double

+Triangle()
+Triangle(side1: double, side2: double, side3:double)
+getSide1(): double
+getSide2(): double
+getSide3(): double
+setSide1(side1: double)
+setSide2(side2: double)
+setSide3(side3: double)
+getArea(): double
+getPerimeter(): double
+isEquilateral(): boolean
+isIsosceles(): boolean
+isScalene(): boolean
+toString(): String

△

Rectangle

-width: double
-length: double

+Rectangle()
+Rectangle(width: double, length: double)
+getWidth(): double
+getLength(): double
+setWidth(width: double)
+setLength(length: double)
+getArea(): double
+getPerimeter(): double
+isSquare(): boolean
+equals(rectangle: Rectangle): boolean
+toString(): String