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| **Geometric Object** |
| -color: String  -filled:Boolean  -dateCreated: java.util.Date |
| #GeometricObject()  #GeometricObject(color: string, filled: Boolean)  +getColor(): String  +setColor(color:String):void  +isFilled():boolean  +setFilled(filled:Boolean):void  +getDateCreated():java.util.Date  +toString():String  +getArea():double  +getPerimeter():double |

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| **<<interface>>**  **Cloneable** |

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| **Octagon** |
| -side:double |
| +Octagon()  +Octagon(side: double)  +Octagon(side: double, color: String, filled: Boolean)  +getSide(): double  +setSide(double side):void  +getArea():double  +getPerimeter():double  +compareTo(o: GeometricObject):int  +clone(): Object |

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| **<<interface>>**  **java.lang.Comparable** |
| +compareTo(o: GeometricObject): int |