uml diagram : triangle and abstract geometricobject

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| Abstract GeometricObject |
| * color: String * filled: boolean * dateCreated: Date |
| # GeometricObject ()  # GeometricObject (color: String, filled: boolean)  + getColor(): String  + isFilled(): boolean  + setColor(color: String): void  + setFilled(filled: boolean): void  + getDateCreated(): Date  + toString(): String  + getArea(): double  +getPerimeter(): double |

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| TRIANGLE |
| * firstSide: double * secondSide: double * thirdSide: double * area: double * perimeter: double |
| +Triangle(firstSide: double, secondSide: double, thirdSide: double)  + isValid(): boolean  + getArea(): double  +getPerimeter(): double |

* private # protected + public