

## Ellipse

- double h
- double k
- double a
- double b
- char orientation

- + Ellipse()
- + Ellipse(double, double, double, double, char)
- + Ellipse(const Ellipse &)
- + void setCenter(double, double)
- + pair getCenter()
- + void setAxes(double, double)
- + pair getAxes()
- + void setOrientation(char)
- + char getOrientation()
- + double computeC()
- + vector<double> getVertices()
- + vector<double> getFoci()
- + double getFocalChordLength()
- + double getEccentricity()
- + void printEquationAndPoints()
- + int pointPosition(double, double)
- + double approximatePerimeter()
- + double area()
- + double computeOtherCoordinate(double, bool)