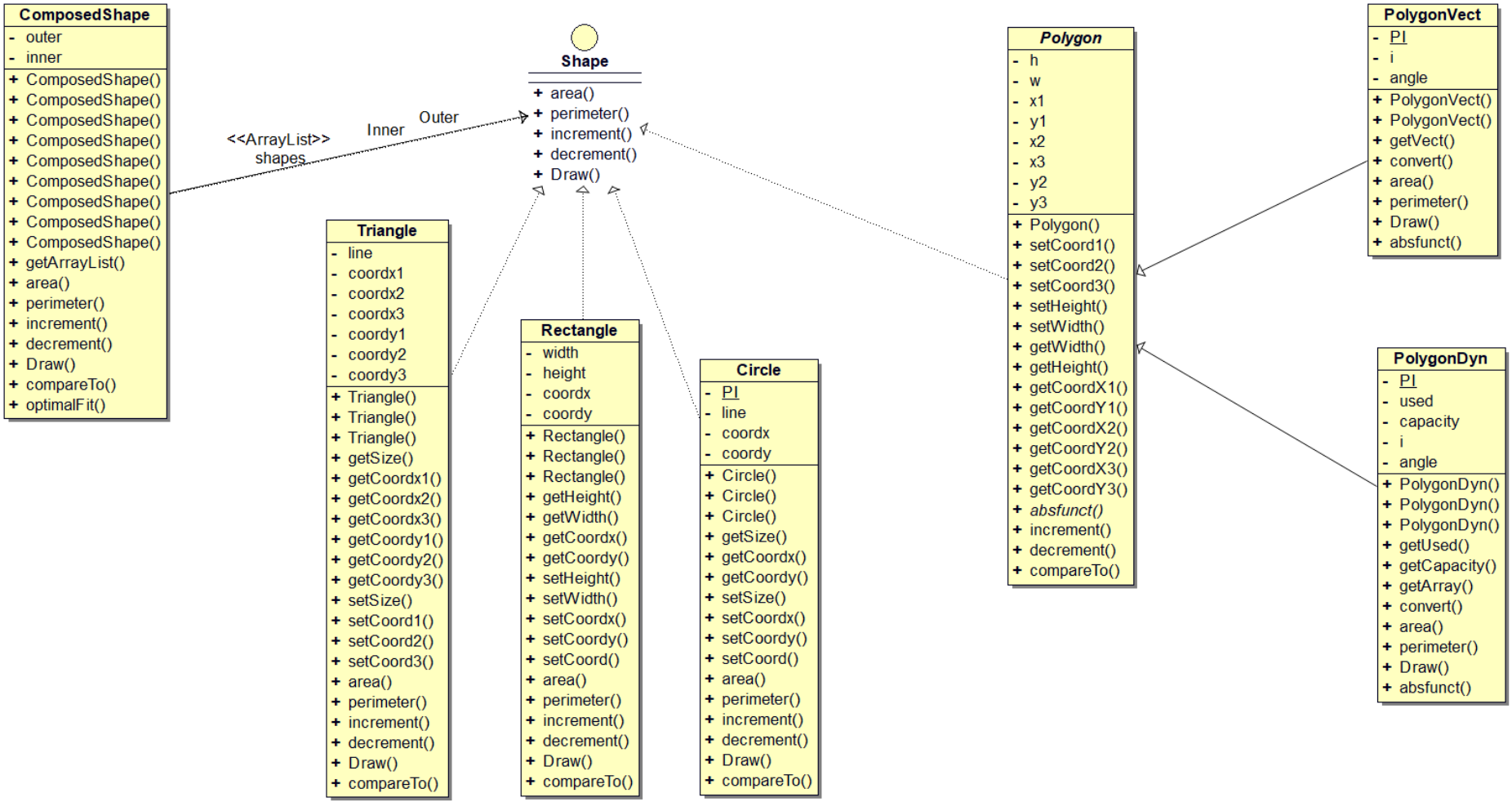
ComposedShape
- outer
- inner
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ ComposedShape()
+ getArrayList()
+ area()
+ perimeter()
+ increment()
+ decrement()
+ Draw()
+ compareTo()
+ optimalFit()
<<ArrayList>>
shapes
Inner
Outer
Shape
+ area()
+ perimeter()
+ increment()
+ decrement()
+ Draw()
Triangle
- line
- coordx1
- coordx2
- coordx3
- coordy1
- coordy2
- coordy3
+ Triangle()
+ Triangle()
+ Triangle()
+ getSize()
+ getCoordx1()
+ getCoordx2()
+ getCoordx3()
+ getCoordy1()
+ getCoordy2()
+ getCoordy3()
+ setSize()
+ setCoord1()
+ setCoord2()
+ setCoord3()
+ area()
+ perimeter()
+ increment()
+ decrement()
+ Draw()
+ compareTo()
Rectangle
- width
- height
- coordx
- coordy
+ Rectangle()
+ Rectangle()
+ Rectangle()
+ getHeight()
+ getWidth()
+ getCoordx()
+ getCoordy()
+ setHeight()
+ setWidth()
+ setCoordx()
+ setCoordy()
+ setCoord()
+ area()
+ perimeter()
+ increment()
+ decrement()
+ Draw()
+ compareTo()
Circle
- PI
- line
- coordx
- coordy
+ Circle()
+ Circle()
+ Circle()
+ getSize()
+ getCoordx()
+ getCoordy()
+ setSize()
+ setCoordx()
+ setCoordy()
+ setCoord()
+ area()
+ perimeter()
+ increment()
+ decrement()
+ Draw()
+ compareTo()
Polygon
- h
- w
- x1
- y1
- x2
- x3
- y2
- y3
+ Polygon()
+ setCoord1()
+ setCoord2()
+ setCoord3()
+ setHeight()
+ setWidth()
+ getWidth()
+ getHeight()
+ getCoordX1()
+ getCoordY1()
+ getCoordX2()
+ getCoordY2()
+ getCoordX3()
+ getCoordY3()
+ absfunct()
+ increment()
+ decrement()
+ compareTo()
PolygonVect
- PI
- i
- angle
+ PolygonVect()
+ PolygonVect()
+ getVect()
+ convert()
+ area()
+ perimeter()
+ Draw()
+ absfunct()
PolygonDyn
- PI
- used
- capacity
- i
- angle
+ PolygonDyn()
+ PolygonDyn()
+ PolygonDyn()
+ getUsed()
+ getCapacity()
+ getArray()
+ convert()
+ area()
+ perimeter()
+ Draw()
+ absfunct()