Exercise 1: Inheritance Relationship Question 2

```
                Shape
  - area: double

  + setArea(double): void
  + getArea(): double
```

```
                Circle
  - radius: double

  + setRadius(double): void
  + getRadius(): double
```
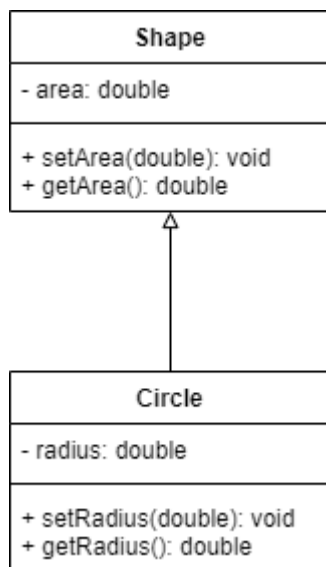i.

ii: setArea(), setRadius(), getRadius()

iii: area

iv:

        a

                i: legal

                ii: illegal

                iii: legal

                iv: legal

                v: legal

Exercise 1: Inheritance Relationship Question 5

i.

        a. width = _w

        b. length = _l

ii. extends Rectangle

iii.

        a. super(10,15)

        b. height = 10

iv. return height * calculateArea();

v. super.display()

vi. Square squarebox = new Square();

vii. squarebox.display();