EquilateralPyramid.java

```
public class EquilateralPyramid extends Shape implements Volume {
 2
        private double baseSide, height;
 3
 4
        public EquilateralPyramid(double baseSide, double height) {
 5
            super("Equilateral Pyramid");
            this.baseSide = baseSide;
 6
 7
            this.height = height;
 8
        }
 9
10
       @Override
        public double calculateArea() {
11
12
            double baseArea = baseSide * baseSide;
            double slantHeight = Math.sqrt((baseSide / 2) * (baseSide / 2) + height *
13
   height);
14
            double lateralArea = 2 * baseSide * slantHeight;
            return baseArea + lateralArea;
15
16
        }
17
18
       @Override
19
        public double calculatePerimeter() {
20
            return 4 * baseSide;
        }
21
22
23
       @Override
24
        public double calculateVolume() {
25
            return (1.0 / 3.0) * baseSide * baseSide * height;
26
        }
27
   }
28
```