Class Square

```
* A Square is a Shape that maintains information about its side length.
    * A Square knows how to return and set its side length, calculate and
    * return its area, perimeter, and diagonal length.
5
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8
    * @period
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    * @version
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10
11
12
   public class Square extends Rectangle
13
   {
        / * *
14
         * Constructs a square with initial side length specified by x.
15
         * @param x
                       initial side length
16
         **/
17
        public Square(double x)
18
19
            super(x, x);
20
        }
21
22
23
         * Returns the square's side length
         * @return
                   sideLength
25
         **/
26
        public double getSide()
27
            return getHeight();
29
30
31
32
         * Sets the side length to the input number.
33
         * @param x assigns x to side lengths
34
35
        public void setSide(double x)
36
            setBase(x);
38
            setHeight(x);
        }
40
41
42
   }
```