

Class Rectangle

```
java.lang.Object
└ Shape
  └ Rectangle
```

```
public class Rectangle
extends Shape
```

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Constructor Summary

[Rectangle\(double x, double y\)](#)

Create a rectangle with base and height

Method Summary

double	findArea() Returns area of rectangle as Double
double	findDiagonal() Returns diagonal of rectangle as Double
double	findPerimeter() Returns perimeter of rectangle as Double
double	getBase() Returns base of rectangle as Double
double	getHeight() Returns height of rectangle as Double
void	setBase(double x) Sets base of rectangle
void	setHeight(double x) Sets height of rectangle

Methods inherited from class

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Rectangle

```
public Rectangle(double x,  
                double y)
```

Create a rectangle with base and height

Parameters:

- x - Double for base
- y - Double for height

Method Detail

findArea

```
public double findArea()
```

Returns area of rectangle as Double

Specified by:

findArea in class Shape

findDiagonal

```
public double findDiagonal()
```

Returns diagonal of rectangle as Double

findPerimeter

```
public double findPerimeter()
```

Returns perimeter of rectangle as Double

getBase

```
public double getBase()
```

Returns base of rectangle as Double

getHeight

```
public double getHeight()
```

Returns height of rectangle as Double

setBase

```
public void setBase(double x)
```

Sets base of rectangle

Parameters:

x - Double for base

setHeight

```
public void setHeight(double x)
```

Sets height of rectangle

Parameters:

x - Double for height
