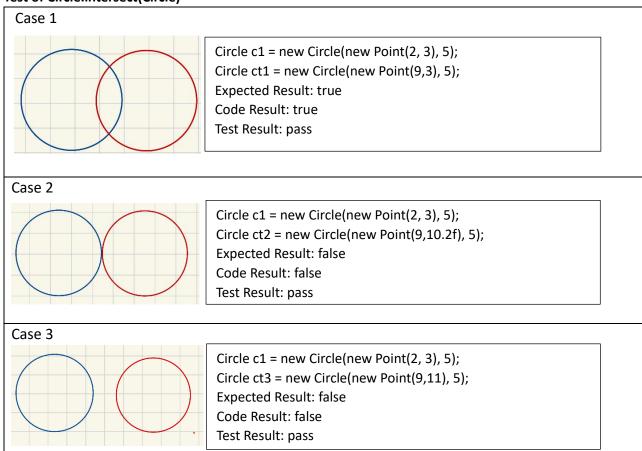
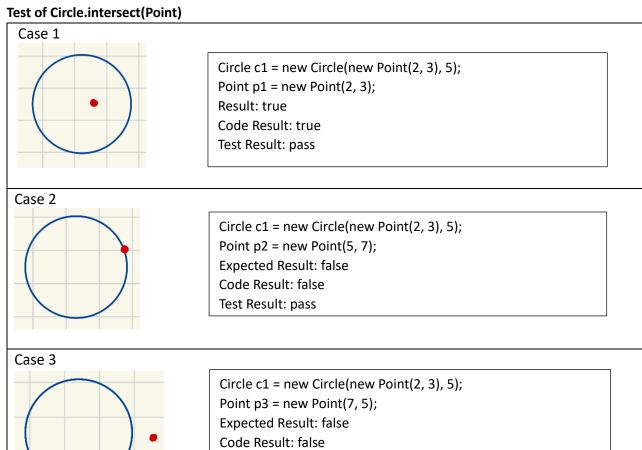
# <u>Circle</u>

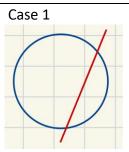
# Test of Circle.intersect(Circle)





Test Result: pass

#### Test of Circle.intersect(LineSeg)

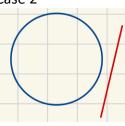


Circle c1 = new Circle(new Point(2, 3), 5);

LineSeg I1 = new LineSeg(new Point(0, 0), new Point(7, 7));

Result: true Code Result: true Test Result: pass

#### Case 2

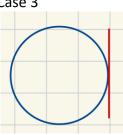


Circle c1 = new Circle(new Point(2, 3), 5);

LineSeg I2 = new LineSeg(new Point(10, 0), new Point(10, 5));

**Expected Result: false** Code Result: false Test Result: pass

#### Case 3



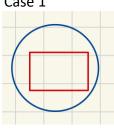
Circle c1 = new Circle(new Point(2, 3), 5);

LineSeg I3 = new LineSeg(new Point(7, 0), new Point(7, 5));

**Expected Result: false** Code Result: false Test Result: pass

# Test of Circle.intersect(Rectangle)

#### Case 1

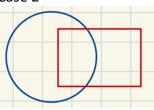


Circle c1 = new Circle(new Point(2, 3), 5);

Rectangle r1 = new Rectangle(0, 5, 7, 0);

Result: true Code Result: true Test Result: pass

# Case 2

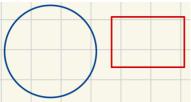


Circle c1 = new Circle(new Point(2, 3), 5);

Rectangle r2 = new Rectangle(5, 10, 12, 5);

**Expected Result: false** Code Result: false Test Result: pass

## Case 3

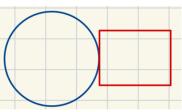


Circle c1 = new Circle(new Point(2, 3), 5);

Rectangle r3 = new Rectangle(10, 15, 5, 0);

**Expected Result: false** Code Result: false Test Result: pass

## Case 4



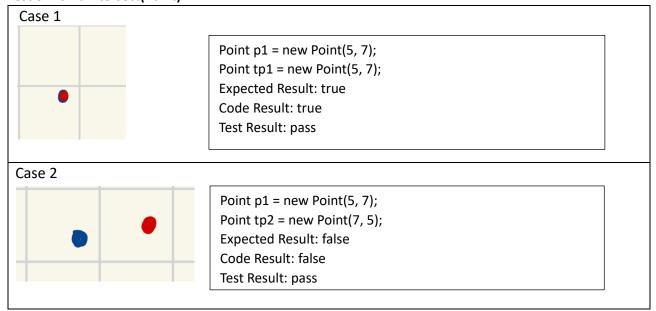
Circle c1 = new Circle(new Point(2, 3), 5);

Rectangle r4 = new Rectangle (7, 15, 5, 0)

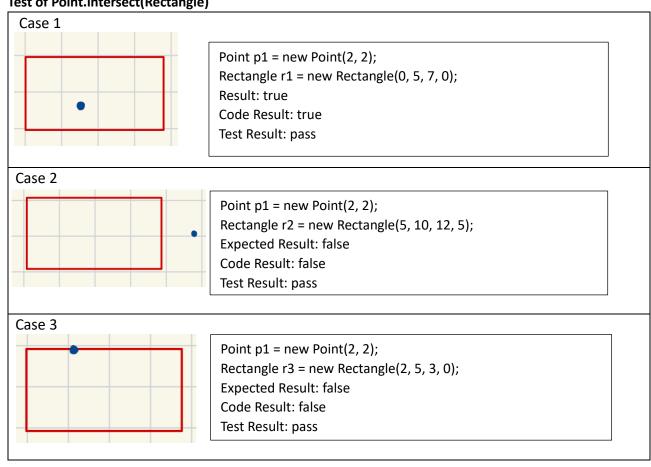
**Expected Result: false** Code Result: true Test Result: fail

#### **Point**

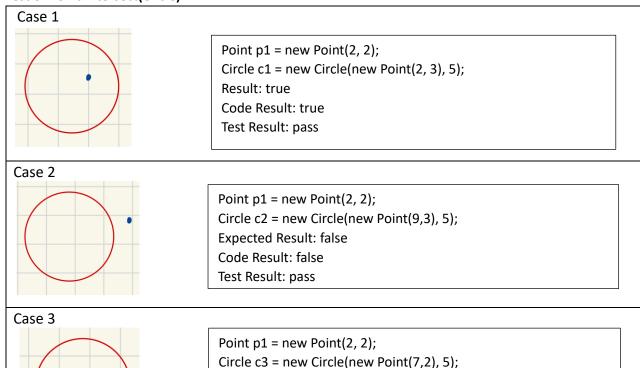
# **Test of Point.intersect(Point)**



## Test of Point.intersect(Rectangle)

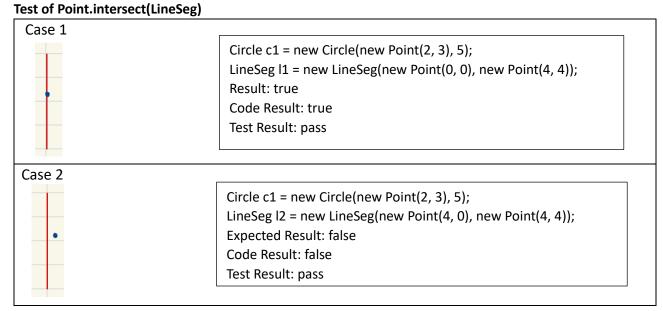


## • Test of Point.intersect(Circle)



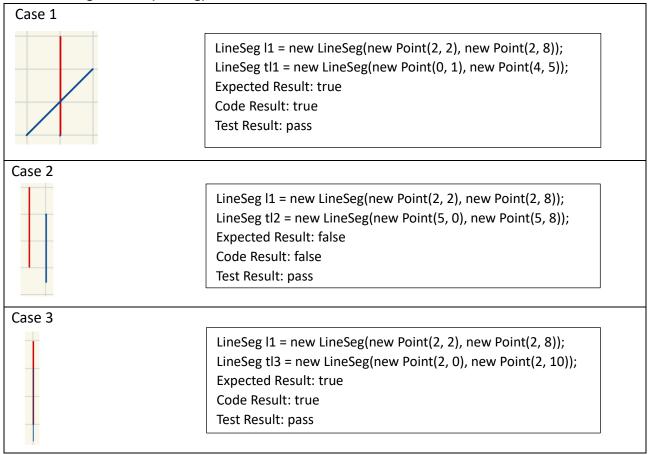
Expected Result: false Code Result: false Test Result: pass

# a Tost of Doint intersect/LineSea

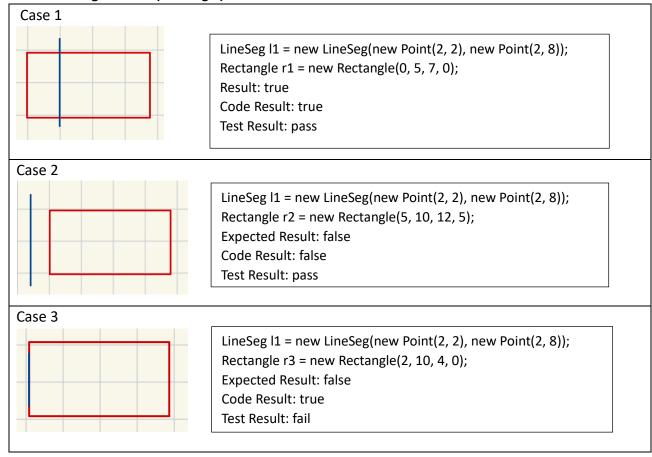


#### **LineSeg**

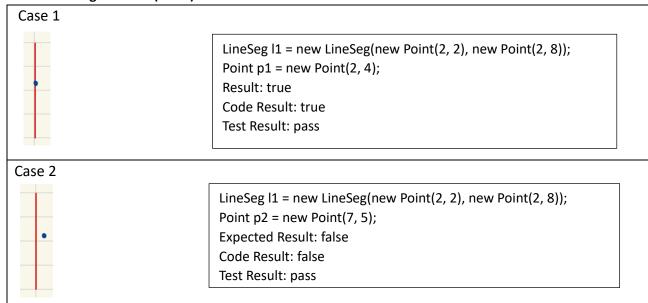
# Test of LineSeg.intersect(LineSeg)

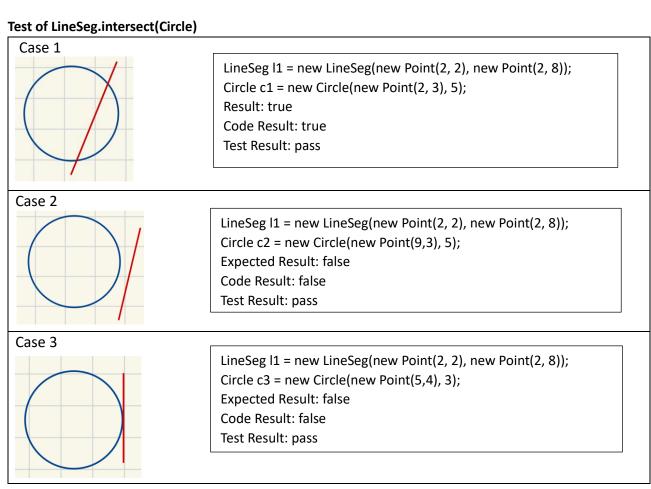


## Test of LineSeg.intersect(Rectangle)



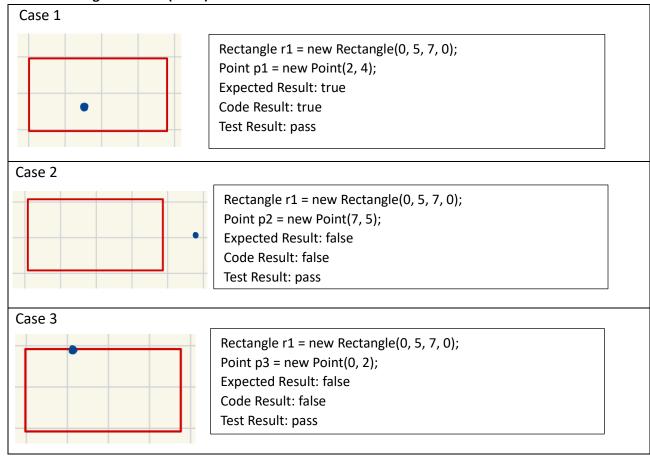
## Test of LineSeg.intersect(Point)



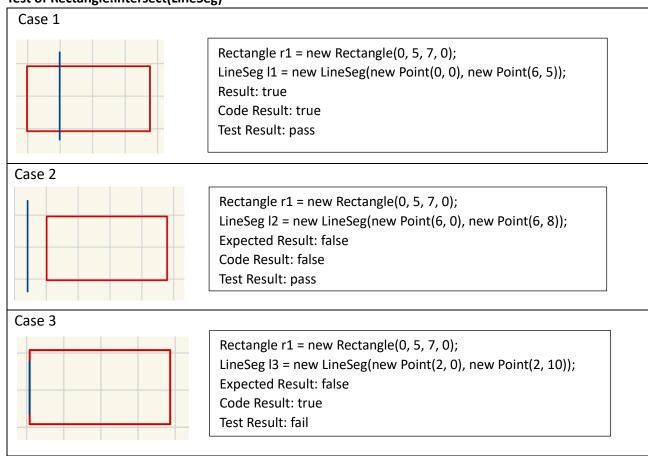


#### **Rectangle**

## Test of Rectangle.intersect(Point)



## Test of Rectangle.intersect(LineSeg)



## Test of Rectangle.intersect(Rectangle)

