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Ex1:

Condition 1:The area is26.950000000000003 The perimeter is 20.8  
It contains the point (3,1)  
It does not contains the rectangle  
It overlap the rectangle  


Condition 2: The area is26.950000000000003 The perimeter is 20.8  
It contains the point (3,2)  
It does not contains the rectangle  
It overlap the rectangle

Condition 3: The area is26.950000000000003 The perimeter is 20.8  
It contains the point (1,3)  
It contains the rectangle  
It does not overlap the rectangle  


Ex2:

Condition 1Enter 5 points: 1 1 2 2 3 3 4 4 5 5  
The bounding rectangle's center (3.0, 4.0), width 4.0, height 4.0

Condition 2: Enter 5 points: 4 4 9 2 3 4 5 6 3 1  
The bounding rectangle's center (6.0, 4.5), width 6.0, height 5.0

Condition 3 Enter 5 points: 5 4 2 1 3 3 7 8 1 2  
The bounding rectangle's center (4.0, 5.5), width 6.0, height 7.0

Ex3:

Condition 1 ----jGRASP exec: java ex3  
The area of the rectangle is 95.03317777109125  
The rectangle contains the point  
The rectangle A contains the Rectangle B  
The rectangle A overlap the Rectangle B

Condition 2 The area of the rectangle is 38.48451000647496  
The rectangle contains the point  
The rectangle A does not contain the Rectangle B  
The rectangle A overlap the Rectangle B  


Condition 3 The area of the rectangle is 132.73228961416876  
The rectangle contains the point  
The rectangle A does not contain the Rectangle B  
The rectangle A overlap the Rectangle B  


Bonus: The area of triangle is 0.5000000000000133  
The triangle contains the point  
The triangle A does not contain the Triangle B