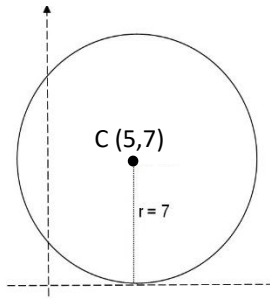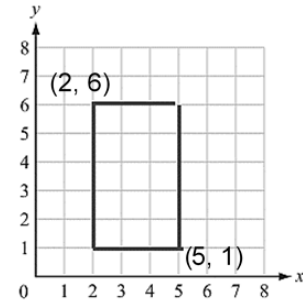| SET A	SET B
SET A	**SET B**
Write a Java program to check whether a given point (X, Y) is placed inside or outside of the below rectangle.	Write a Java program to check whether a given point (X, Y) is placed inside or outside of the below rectangle.
C (5,7) r = 7	(2, 6) (5, 1)
Write a Java program to read temperature in centigrade and display a suitable message according to temperature state below: Temp < 0 then Freezing weather Temp 0 - 10 then Very Cold weather Temp 10 - 20 then Cold weather Temp 20 - 30 then Normal in Temp Temp 30 - 40 then Its Hot Temp >= 40 then Its Very Hot	Write a program in Java to accept a grade and declare the equivalent description. Grade Description E Excellent V Very Good G Good A Average F Fail
Write a program in Java to calculate and print the Electricity bill of a given customer. The customer id., name and unit consumed by the user should be taken from the keyboard and display the total amount to pay to the customer. The charge are as follow :	

Unit	Charge/unit
upto 199	@1.20
200 and above but less than 400	@1.50
400 and above but less than 600	@1.80
600 and above	@2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

Test Data:
1001
James
800

Expected Output:
Customer IDNO :1001
Customer Name: James
unit Consumed :800
Amount Charges @Rs. 2.00 per unit: 1600.00
Surchage Amount: 240.00
Net Amount Paid By the Customer : 1840.00