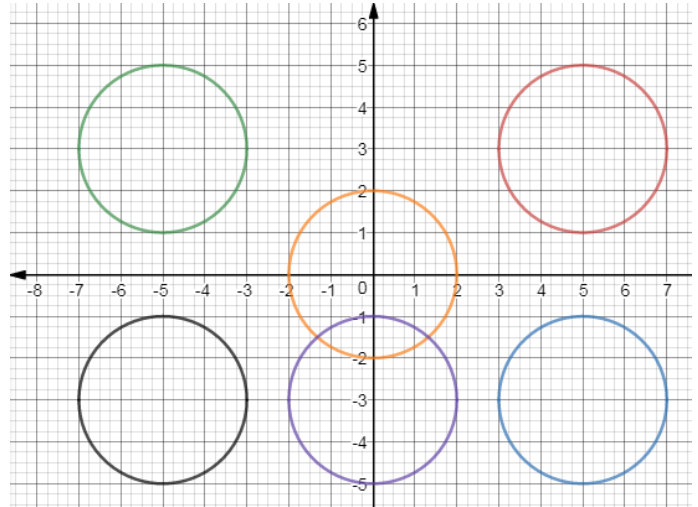


This book has permission to use the "N&K method of COLORS".

Examples: Coordinate Geometry, Circles

- **Location** (by Quadrant)
- **Center** (coordinate point)
- **Radius**

All the above things for a circle can be easily obtained by looking at the equation.



Equations of circles & their centers	Quadrant	Center ( x, y)	Radius
$(x)^2 + (y)^2 = (\text{radius})^2$		( 0, 0)	radius
$(x)^2 + (y)^2 = (2)^2 \dots \text{eq \#a}$		( 0, 0)	2
$(x + 0)^2 + (y + 0)^2 = (2)^2 \dots \text{eq \#a}$		( 0, 0)	2
( 0, 0) <i>cood. of center</i>			
$(x)^2 + (y + 3)^2 = (2)^2 \dots \text{eq \#b}$		( 0, -3)	2
$(x + 0)^2 + (y + 3)^2 = (2)^2 \dots \text{eq \#b}$		( 0, -3)	2
( 0, -3) <i>cood. of center</i>			
$(x - 5)^2 + (y - 3)^2 = (2)^2 \dots \text{eq \#1}$	One	(+5, +3)	2
( +5, +3) <i>cood. of center</i>			
$(x + 5)^2 + (y - 3)^2 = (2)^2 \dots \text{eq \#2}$	Two	(-5, +3)	2
( -5, +3) <i>cood. of center</i>			
$(x + 5)^2 + (y + 3)^2 = (2)^2 \dots \text{eq \#3}$	Three	(-5, -3)	2
( -5, -3) <i>cood. of center</i>			
$(x - 5)^2 + (y + 3)^2 = (2)^2 \dots \text{eq \#4}$	Four	(+5, -3)	2
( +5, -3) <i>cood. of center</i>			