



NAME: _____ SCORE: _____



Objective:

1. Graph and solve problems involving circles.
2. Solve problems involving geometric figures.

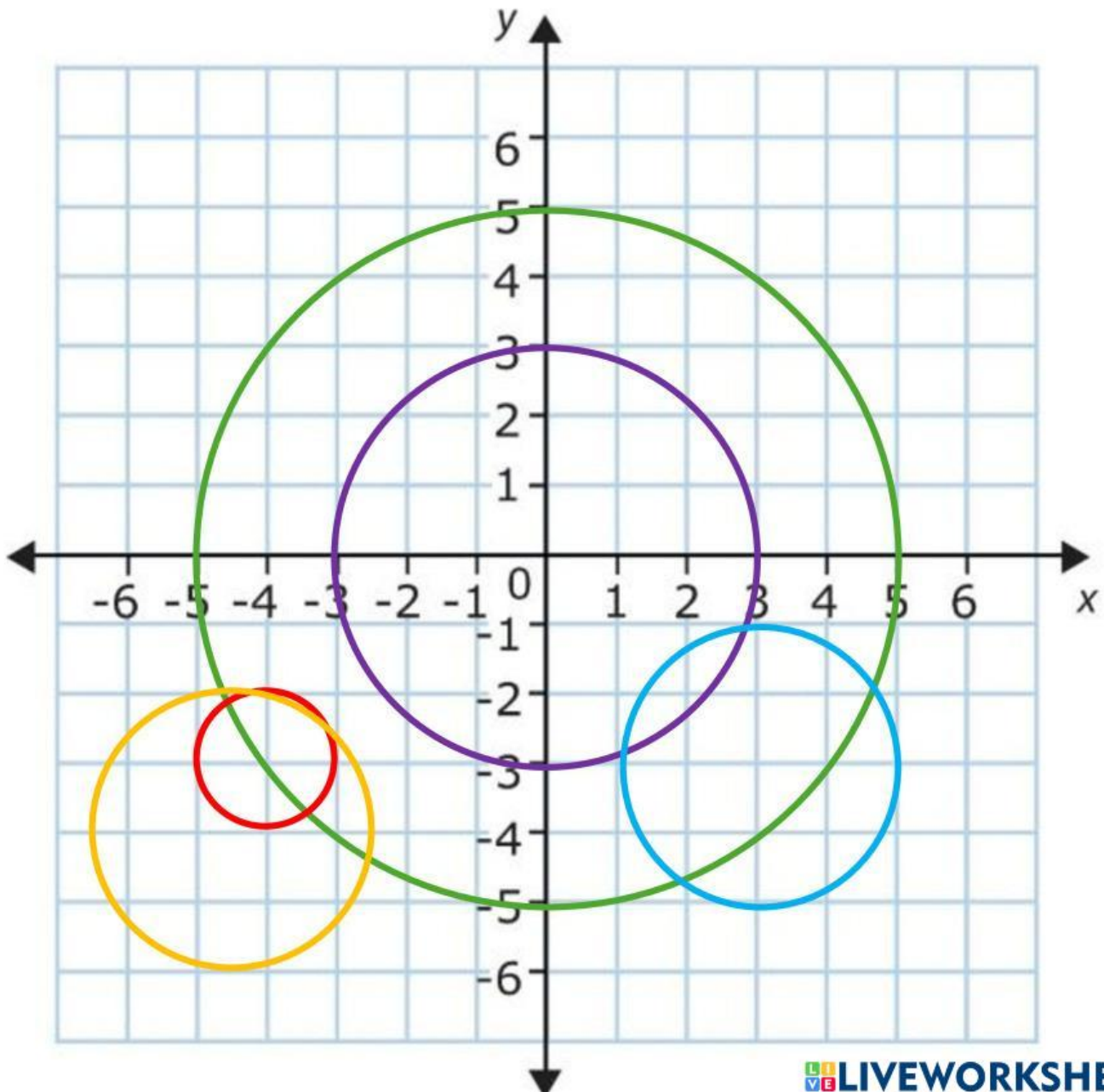


TASKS



Choose the color of the circle that corresponds to the right illustration of the circle below.

- | |
|--|
| 1. circle centered at the origin with radius = 5 units |
| 2. circle centered at the origin with radius = 3 units |
| 3. circle centered at $(3, -3)$ with radius = 2 units |
| 4. circle centered at $(-4, -3)$ with radius = 1 unit |
| 5. circle centered at $(-4.5, -4)$ with radius = 2 units |



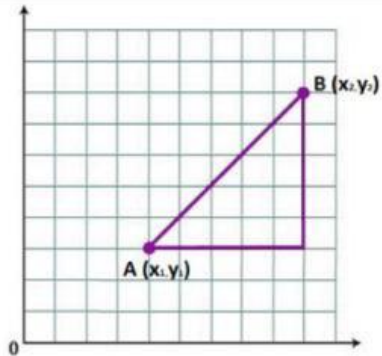


Complete the table below.

EQUATION OF THE CIRCLE	CENTER	RADIUS
1. $x^2 + y^2 = 49$		
2. $(x - 2)^2 + (y - 3)^2 = 16$		
3. $(x + 1)^2 + (y + 1)^2 = 25$		
4. $(x + 4)^2 + (y - 6)^2 = 49$		
5. $(x - 5)^2 + (y + 9)^2 = 8.1$		



Study the figures at the right and accomplish the tasks.

TASK	FIGURE
Find the distance along the legs of the triangle. Show that it is a right triangle.	
Determine the center, radius, and the equation of the circle.	