



NAME: _____

SCORE: _____



Objective:

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

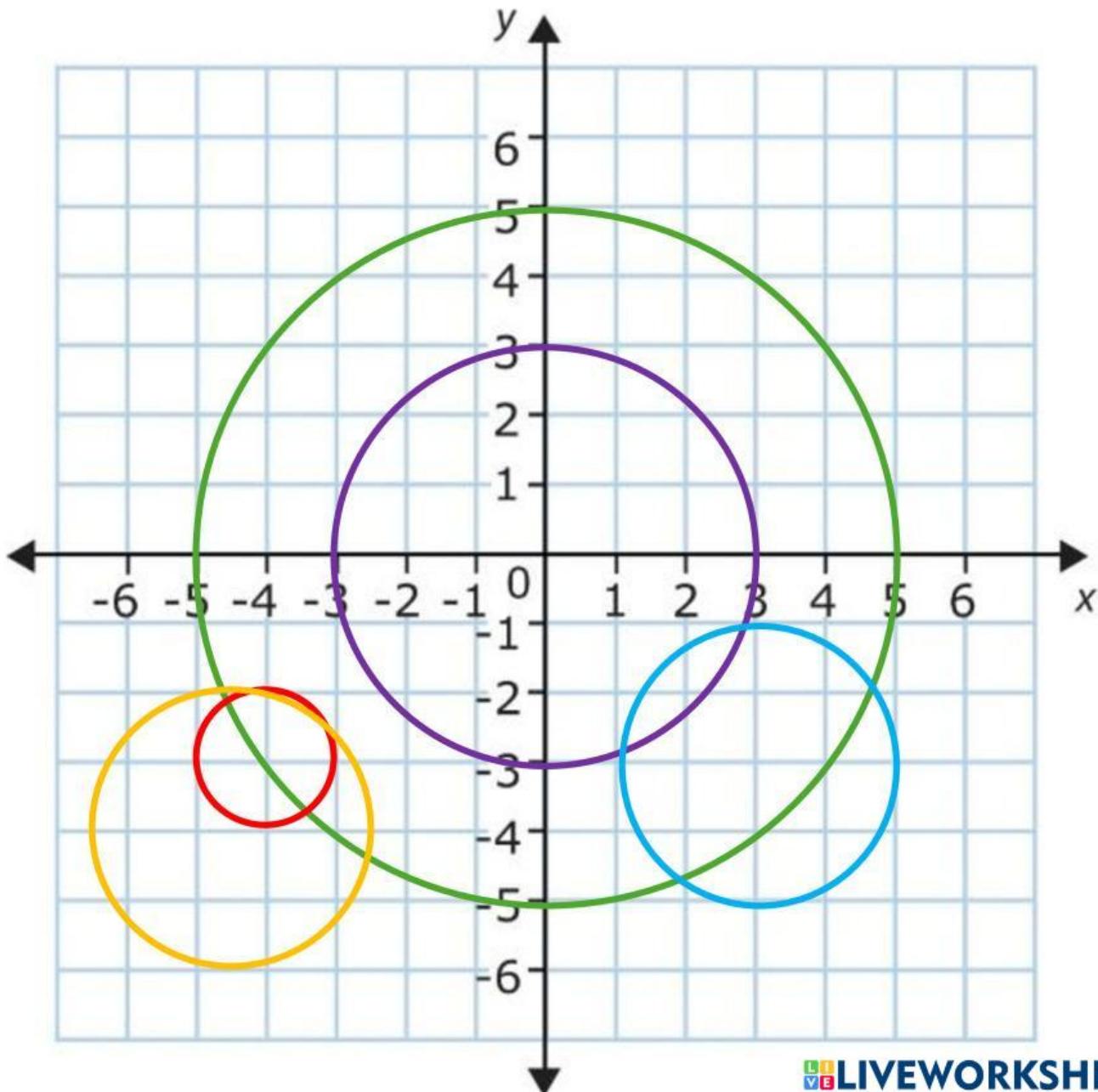


TASKS



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
<p>Find the distance along the legs of the triangle. Show that it is a right triangle.</p>	
<p>Determine the center, radius, and the equation of the circle.</p>	