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Name	
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[1	<b>2-2A</b> Lesson Master	-	ons on SPUR Objectives ges 862–865 for objectives.
In 1	<b>KILLS</b> Objective B -3, give an equation for the circle with the given center (0, 0); radius 9	characteristics.	
	center (3.2, 5.7); radius 1.3 center ( <i>a</i> , <i>b</i> ); diameter <i>d</i>		
$\sim$	<b>PROPERTIES</b> Objective E and 5, an equation for a circle is given. Find the	e center and radius.	
4.	$(x-3)^2 + y^2 = 36$ center:	radius:	
5.	$(x - t)^{2} + (y - n)^{2} = p$ center:	radius:	
6.	Find the coordinates of all points on the circle		
	$(x-2)^2 + (y-3)^2 = 12$ , where $y = 0$ .		
7. 8.	<ul> <li>-9, determine whether the figure described is a The set of all points 2 units from (8.1, 12.3).</li> <li>The set of all points equidistant from (8.1, 12.3) a The set of all points equidistant from (8.1, 12.3) a set of a set of all points equidistant from (8.1, 12.3) a set of a set of</li></ul>	and (4.2, 1.9).	
	SES) Objective G		
$\subseteq$	Sol throws a rock into a pond. The ripples travel from the point where the rock hits the water. Us where the rock hits, write an equation for the cir ripple three seconds after the rock hits the water	ing (0, 0) as the point cle that represents a	
11.	Sally is making a scale drawing of Earth and its rates as shown at the right. She puts the center of Earth origin and uses a scale of $1 \text{ cm} = 1000 \text{ km}$ . (The picture at the right is NOT to scale.)		Moon ×
	a. The equatorial diameter of Earth is 12,756 km Give an equation for the circle representing E		
	<ul> <li>b. The diameter of Earth's moon is 3476 km, and from Earth (center to center) is 382,500 km. (the circle representing Earth's moon.</li> </ul>	_	
			Advanced Algebra 571

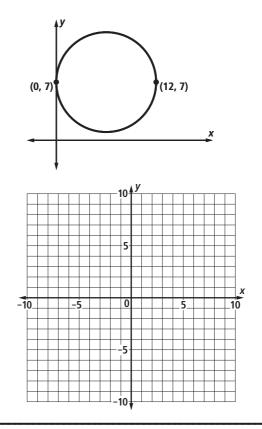
## Name

## 12-2A

## **REPRESENTATIONS**) Objective I

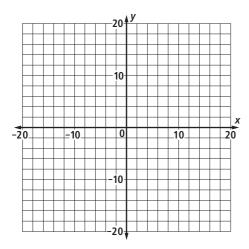
**12.** Give an equation for the circle graphed at the right.

13. At the right, graph the circle  $(x - 1)^2 + (y + 4)^2 = 25$ .

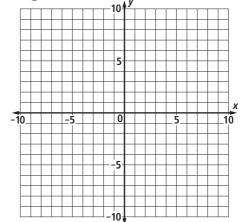


## **REPRESENTATIONS** Objective L

**14.** Graph all points a distance of 12 from (6, 6) below.



- **15.** The set of points 4 units from the origin is translated under  $T_{5,-2}$ .
  - a. Sketch a graph of the preimage and image below.



b. Give an equation for each set.