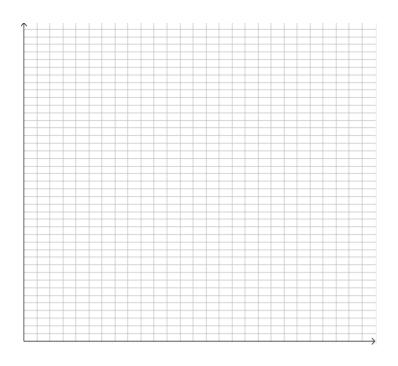
First, Last Name	_ Core: 1	2	3	4	Date:
 Part A: Circumference and Ra Measure the radius of each circle on the had in the first column below. Use the formula c = 2πr to calculate the codata in the table below. (use π = 3.14) Create a scale for the coordinate plane., and and radius. Graph the data in the coordinate plane and 	indout in cen ircumference d label both a	timete e of eac	ch cire	cle a	nd record the
4. Is the circumference of a circle proportional to5. What is the constant of proportionality? Expla		xplain			

Part B: Area and Radius of a Circle.

- 1. In the first column, copy the radii of the circles from the table in part A.
- 2. Use the formula $a=\pi r^2$ to calculate the area of the circles. Complete the table below. (use $\pi=3.14$)
- 3. Create a scale for the coordinate plane to fit the data.
- 4. Plot the data in the coordinate plane.
- 5. Draw a neat line connecting the points.

r	а	(r, a)



4. Is the area of a circle proportional to its radius? Explain.
5. What is the constant of proportionality? Explain.