Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Graph Me a Circle Picture!**

**On** **graph paper**, create a picture using circles and lines.

* Write the equation of your circles. (40 pts) \_\_\_\_\_\_\_\_
* Write the equations of your parallel lines. (20 pts) \_\_\_\_\_\_\_\_
* Write the equations of your perpendicular lines. (20 pts) \_\_\_\_\_\_\_\_
* Color your picture. (10 pts) \_\_\_\_\_\_\_\_
* Creative and Neat. (10 pts) \_\_\_\_\_\_\_\_

 Total \_\_\_\_\_\_\_\_\_\_

EQUATION OF CIRCLE 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CENTER OF CIRCLE 1: \_\_\_\_\_\_\_\_\_\_\_\_ RADIUS OF CIRCLE 1: \_\_\_\_\_\_\_\_\_\_\_\_

EQUATION OF CIRCLE 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CENTER OF CIRCLE 2: \_\_\_\_\_\_\_\_\_\_\_\_ RADIUS OF CIRCLE 2: \_\_\_\_\_\_\_\_\_\_\_\_

EQUATION OF CIRCLE 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CENTER OF CIRCLE 3: \_\_\_\_\_\_\_\_\_\_\_\_ RADIUS OF CIRCLE 3: \_\_\_\_\_\_\_\_\_\_\_\_

EQUATION OF CIRCLE 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CENTER OF CIRCLE 4: \_\_\_\_\_\_\_\_\_\_\_\_ RADIUS OF CIRCLE 4: \_\_\_\_\_\_\_\_\_\_\_\_

PARALLEL LINES: EQUATION 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EQUATION 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PERPENDICULAR LINES: EQUATION 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EQUATION 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Show your work here………..