

Graph Me a Circle Picture!!

MATERIALS NEEDED

- Graph paper or plain computer paper
- Loose leaf
- Pencil & Ruler
- Compass

INSTRUCTIONS

On your graph paper, you must create a picture using circles. You must use at least 4 circles in your picture. Create a legend on your page and add the equations you will need (Area, Circumference) plus terms if you are using letters (ex. r - radius, d - diameter). Label the center and radius for EACH circle.

On another piece of paper, you must solve the equations for EACH circle.

Finally, create a question that can be used for one of your circles.

NOTE: The 4 circles you select to use for solving for area and circumference need to have different radii.

Bonus - create a picture with 8 circles for extra points

RUBRIC

- ___/1 point for being turned in on time
- ___/3 points for using at least 4 circles
- ___/3 points for at least 4 equations (label equation, center and radius for each)
- ___/1 point for writing a question to be solved using one of your circles
- ___/2 points for presentation/creativity
- ___/10 TOTAL points

(2 bonus points for using more than 8 circles with equations)

