

NAME: \_\_\_\_\_

DUE MONDAY, MAY 14, 2001

### CONIC SECTIONS PROJECT

**GOAL:** You will create a *collage* of pictures illustrating conic sections (parabolas, circles, ellipses, and hyperbolas) found in nature (leaves, petals, flowers), architecture, (bridges, doorways, buildings), and everyday items (appliances, logos, furniture).

**REQUIREMENTS:**

1. Use at least  $\frac{1}{2}$  sheet of poster board.
2. Use scissors to cut out pictures (no tearing).
3. Use glue to paste pictures (no tape).
4. Include pictures of the entire objects where the conic sections are found.
5. Display 5 different examples for each of the 4 conic sections: parabolas, circles, ellipses, and hyperbolas.
6. Do not repeat pictures.
7. Trace the conic in each picture with a marker.
8. Make a creative design with your pictures. Make sure that it is a *collage*.
9. Title your poster.

CATEGORIES	POINTS POSSIBLE	EARNED POINTS
Parabola examples	14 points	
Circle Examples	14 points	
Ellipse Examples	14 points	
Hyperbola Examples	14 points	
Tracing of Conics	14 points	
Unique Title	10 points	
Neat, Creative, Appropriate Collage	10 points	
Use of Poster Board, Scissors, Glue	10 points	

100 Possible Points      \_\_\_ Total Points Earned