

## Algebra 2B    Conic Section Project    Fall 2017

You can work in pairs on this project. Your job is to locate Parabolas, Circles, Ellipses, and Hyperbolas in the real world around you. Once you've located them you need to take a picture and document their location. These conics can be man-made or something seen in nature but you can't make them yourselves in order to get the desired shape. Look around, they are out there. Taking pictures off of the internet will result in a zero on this project.

To get an A you need pictures of 3 circles, 3 parabolas, and 2 ellipses. For a bonus you can turn in a Hyperbola. In addition each of your pictures must be a unique item. In other words, your three circles can't all be of the same kind of object (you can't turn in pictures of three wheels). You will also get a bonus if your picture is of an object nobody else has.

You can turn in your project as a computer file or in printed form.

The due date is whenever the test over Chapter 10 will be. Late assignments will lose 5 points each day. The total value of this project is 50 Formative points. Each object will be worth 6.25 points ( $50/8$ ). A Hyperbola will be worth a 10% bonus. If an object is unique to only your project it will be worth 1 bonus point (a wheel is a wheel is a wheel! Meaning, pictures of two different wheels don't get bonus points)