

Name: _____ Period: _____ Date: _____

Lab: Eccentricity of an Ellipse

The ellipse is the geometric shape of most orbits. In this lab, you'll construct 3 ellipses, examine and measure them to determine some of the fundamental properties of ellipses.

Follow the directions below, making sure you draw and measure carefully along the way. When you have completed the construction and measurement of your ellipses, carefully and thoughtfully answer the questions posted at the end of this lab.

1. Gather up the materials you need to complete this lab (See Fig. 1):

- A piece of cardboard
- 1 sheet of white paper
- 2 push pins
- A string loop (tie 25 cm of string into a loop)
- Ruler
- A pen or sharp pencil



2. Fold your paper in $\frac{1}{2}$ lengthwise (hot-dog fold). Label the fold "major axis"



3. Place the sheet of paper on the cardboard, and draw 2 dots in the center of the page 3cm apart. Place the 2 push pins into the dots as shown in Fig. 2.



4. Place your loop of string around the 2 push pins, and, keeping the string tight, use the string as a guide to carefully draw an ellipse around the push pins. (See Fig 3.) Be patient - you may have to try it a few times before you get the hang of it!



Ellipses And Eccentricity Lab Answers

Albert A Gayle



Ellipses And Eccentricity Lab Answers:

Embracing the Tune of Phrase: An Mental Symphony within **Ellipses And Eccentricity Lab Answers**

In a global taken by monitors and the ceaseless chatter of instantaneous interaction, the melodic beauty and emotional symphony developed by the written term usually fade in to the background, eclipsed by the relentless sound and disturbances that permeate our lives. Nevertheless, situated within the pages of **Ellipses And Eccentricity Lab Answers** a stunning fictional treasure full of natural feelings, lies an immersive symphony waiting to be embraced. Constructed by a wonderful composer of language, that interesting masterpiece conducts visitors on a psychological journey, well unraveling the concealed tunes and profound affect resonating within each cautiously constructed phrase. Within the depths with this touching review, we shall examine the book is main harmonies, analyze their enthralling publishing fashion, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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