

Math4020, Pi page

Make a page (following the instructions below) that illustrates what pi is and how it is used. (Note: This will go directly into your portfolio.)

- (a) Find 15-20 circular objects around your home and measure the diameter and circumference of each object (in centimeters).
- (b) Make a two-column table to record all the data you've collected. List diameter first and circumference second.
- (c) Place all those points (d, c) on a Cartesian coordinate system where the horizontal axis is the diameter and the vertical axis represents the circumference.
- (d) Find the best fit line and calculate the slope of the best fit line.
- (e) What does the slope have to do with pi? Why?
- (f) List some applications that need to use pi.