

Class Prep (prepare for Friday, January 12)

Think some more about how to fold a regular hexagon, expanding from what you did to make an equilateral triangle.

Also learn how to do Fujimoto's approximation method for $\frac{1}{5}$ from the handout (just the technique; we'll work on why it works in class together).

Finally, please remember to fill out the partner survey and bring it to class Friday and also fill out this [office hours survey](#) by 2:30 PM Friday.

Problems (due Friday, January 19 at the beginning of class)

1. Explain your method for folding an equilateral triangle of maximum area inside a square and prove that it does indeed create a triangle with maximum area. (We will actually get to problems other than just writing things up from class soon!)