

Class Prep (prepare for Wednesday, February 7)

On the “Exploring a Basic Origami Move” handout, we showed that the object we were creating was a parabola. This gives us hint that origami can be used to solve quadratic equations. We’ll talk more about this on Wednesday, so for now, think about these questions so you’re prepared for our discussion on Wednesday (you don’t need to have complete, perfect answers to these questions):

1. What things do we have to be able to do with numbers in order to solve quadratic equations via the quadratic formula?
2. How could we use origami to do those operations? This is a big question; tackle as many of the operations as you can and think about what we might need to know to tackle any that you’re not sure about yet.

Problems (due Friday, February 9 at the beginning of class)

1. Prove that the origami move on the “What’s This Doing?” handout does indeed trisect the angle you make in the first step. There are several ways to do this and we’re talking about it some in class; this problem is just asking you to carefully write the details of one way.