Desmos Animal House

In this project, you will create a house for a puppy or cat or bird or whatever animal you'd like using equations of lines.

Step 1: Create an Account on Desmos

- Go to www.desmos.com
- Click "Start Graphing"
- Click "Create an Account" (green button on upper-right hand side)
- Write your username and password in a safe place.

Step 2: Do the Tutorial

- Go to student.desmos.com
- Based on your class, type in the class code:
    o 722: MMK4R3
    o 723: DF2CQJ
- Login with your Desmos account information
- Complete slides 1-6 to review graphing functions and get used to Desmos

Step 3: Create Your Puppy House on Desmos.com

- Go to Desmos.com and make sure you're signed in. This is not the same page as the tutorial!
- Name your graph by clicking on "Untitled Graph". Use the Save button often.
- Create equations to draw your puppy house. **The house must contain at least 8 slanted lines, 5 vertical lines, and 5 horizontal lines.**
- Insert an image of your animal by the house or in the doorway of the house. Use the "+" sign in the upper-right hand corner to insert images.

Step 4: Write a Short Essay

- Write a one-page, double-spaced essay that answers the following questions:
    o What did you learn about Desmos.com through this activity?
    o What did you learn about graphing lines through this activity?
    o What challenges or obstacles did you encounter during this activity?
    o In your own words, what is the relationship between an equation and its graph?
- The essay should include an **introduction sentence**, 1-3 paragraphs with topic sentences, and a **concluding sentence**.

Step 5: Use the green button in the upper-right hand corner to print the graph you created on Desmos.com along with your equations. In addition, print your essay. Here's the order you should staple:

- Front: Graph, with your name and a title hand-written
- Next: Equations
- Last: Essay