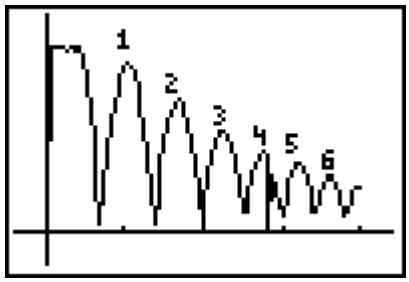
Quiz on Ball Bounce III
Algebraic Connections

1. Pick one of the following bounces (2-6) to analyze and circle it on the image below. Select it as we did in class [Select(L3,L4)].



2. Get the Quadratic Bubble Baby in the form $\mathbf{A\,(x - H)^2 + K}$.

3. Get the regression equation in the form of $\mathbf{Ax^2 + Bx + C}$.

4. Verify the values of **A, H**, and **K** using **A, B**, and **C.**

5. Calculate the Percent Error using the equation below, where **O** comes from question #2, and **M** comes from question #3 (all calculated in question #4). Do this for **A, H**, and **K**.

$$\frac{|O - M|}{M} * 100\%$$

6. Give the graph of the selected bounce with the Dueling Bubble Babies and the Window.