Algebra 2 Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Optimization Project: Gallery Walk Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Check out the posters on the walls, and answer the questions below. Make sure you jot down the answers to #1-3 before you leave the classroom! Anything you don’t finish in class will be homework.**

1. Find a completed ball project poster.

a. What equation did this group graph?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. What speed was the ball thrown?

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c. What was the maximum height the ball reached? How many seconds had passed before the ball reached this height?

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2. Find a DIFFERENT completed ball project poster.

a. What equation did this group graph?

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b. What speed was the ball thrown?

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c. What was the maximum height the ball reached? How many seconds had passed before the ball reached this height?

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3. Find a completed fence project poster.

a. What equation did this group graph?

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b. What was the perimeter of their fence?

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c. What was the maximum area of the fence? How long was the rectangle that produced this area?

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4. What did you contribute to your group’s work?

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5. Which group member (other than you) was most helpful? Why?

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