

Name: Ginger Sheets

Grade Level: Algebra 1

Topic: Blasting Out the Competition

A. Objectives (PASS): Standard 2:1.c, 3, 4.a, 4.e, 5.b, 7

B. Instruction:

- a. Students will make a table to determine which job Johnny should take in order to buy some car speakers at the end of the summer. Find the equation of the lines and graph the information. Then choose the best method to find the point of intersection.
- b. Johnny has received two summer job offers. Offer # 1 involves working at Deli Whopper where he will earn \$4.50 an hour. He will be expected to purchase a uniform for \$45.00 and work 20 hours a week. Offer # 2 involves working at a Sparkle Car Service where Johnny will earn \$3.50 an hour. No special attire is needed, but he is expected to work 20 hours a week. Johnny wants to buy speakers for his car which will go on sale for \$495.00 at the end of the summer.
- c. Here are some sample questions that I used for my students: 1.) Make a table to show how much Johnny will make at offer #1 and offer #2 using the hours 0 – 160 (20 hours per week). 2.) What is the better job offer? 3.) How many weeks must Johnny work at job offer #1 in order to buy the speakers? At job offer #2? 4.) Write the slope-intercept form of the equation for job offer #1 and for job offer #2. 5.) Graph your two equations. 6.) Find the ordered pair at which the system of equations intersect.

C. Assessment:

- a. I gave my students a group attitude and participation grade and then graded them on how well they answered their 6 questions.

D. Modifications/Accommodations:

E. Reflection:

- a. My students always enjoy doing group work or something that is not just out of the book. It took my students 2 class periods.

