Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Formative Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HW #4 Mandatory Problems:**

**Learning Target #2:** “I can create, solve, and graph inequalities in one variable.” A-CED.1, A-REI.3

1. **9-85**. Write and solve an inequality for this situation: To honor 50 years in business, All Strikes Bowling is having an anniversary special. Shoes rent for $1.25 and each game is $0.75. If Charlie has $20 and needs to rent shoes, how many games can he bowl? Then graph the solution set on the number line below.

**Learning Target #3:** “I can create, solve, and graph inequalities in two variables.” A-REI.12

1. Write the inequality that is represented by the given graphs in the box provided.





1. Create a context that could be modeled by an inequality. Write the inequality and graph it. Choose a solution within the solution set and explain what it means.

**Learning Target #5:** “I can interpret solutions as viable (practical, realistic, usable) or nonviable (not practical, realistic, usable) within context.” A-CED.3

1. Camille is selling bracelets and earrings to make money for her summer vacation plans. The bracelets cost $2 and the earrings cost $3. She needs to make at least $500 to afford her summer plans. Create and graph the inequality that this situation represents. Choose 3 points within the solution set and explain what each point is representing and if it is a viable solution.



**Individual Practice Problems: Look at the Learning Target Page and pick 3 practice problems from the chart.**

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| --- | --- | --- |
| **Learning Target** | **Problem** | **Work** |
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