**Feedback for Unit 4 Inequalities Individual Assessment**

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|  | **Problem Number** | **Feedback** |
| **Learning Target #1** | **1a** | 1. $x$ needs to be a number greater than or equal to -2
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| **1b** | 1. $x$ needs to be a number less than 1
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| **1c** | 1. $x$ needs to be a greater than -1 and less than or equal to 4
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| **2** | 1. Which inequality symbols would be represented by a closed boundary point?
2. If the boundary point is closed, is the value of the boundary point included in the solution set?
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| **3** | 1. Which inequality symbols would be represented by a dashed boundary line?
2. If the boundary line is dashed, are the points on the lines included in the solution set?
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| **Learning Target #2** | **4** | 1. Double check your calculations. Did you distribute the 2to the $x $**and** the $-5$? Did you add 10 to both sides? Did you divide both sides by 2?
2. Is your inequality symbol representing the correct solution set? Should the solution set “$x$” be less than or greater than 9?
3. Did you graph the solution set? Is it graphed correctly? Does it match what your inequality says-Does it represent the solution set for your inequality?
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| **5** | 1. Does your inequality correctly represent the situation?
2. Did you calculate correctly?
3. Should your solution be less than or equal to 12 or greater than or equal to 12?
4. Did your accurately graph the solution set?
5. Did you write a sentence answer explaining how my months I could afford the gym given the price constraints?
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| **Learning Target #3** | **6** | 1. Did you solve for $y$? Did you correctly solve for $y$?
2. Did you correctly plot the y-intercept?
3. Did you correctly plot additional points using the slope? Is your slope positive or negative? What should it be?
4. Look at the inequality symbol. It is $>$. Should your line be solid or dashed?
5. Look at the inequality symbol. It is $>$. Should you shade above or below the line?
6. Did you explain your steps in order? Did you leave anything out?
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| **7** | 1. Did you write an inequality that correctly represented the situation?
2. Did you graph the boundary line correctly? (y-intercept, slope, dashed/solid line, shade above/below)
3. Did you choose and write 2 points that showed you understood the graph and the situation? Did you explain the 2 points?
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| **Learning Target #4** | **8** | 1. Did you graph $y\leq \frac{1}{2}x+2$ correctly, paying attention to slope, y-intercept, dashed/solid boundary line, shading above/below?
2. Did you graph $y>-\frac{2}{3}x+1$ correctly, paying attention to slope, y-intercept, dashed/solid boundary line, shading above/below?
3. Did you shade only the solution region for the system (the region that is true for BOTH of the inequalities)?
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| **Learning Target #5** | **9** | 1. Did you demonstrate that you understand what viable means? Did you choose a solution that makes sense in context and explain it?
2. Did you demonstrate that you understand what non-viable means? Did you choose a solution that doesn’t makes sense in context and explain it?
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| **10** | 1. Did you demonstrate that you understand what viable means? Did you choose a solution that makes sense in context and explain it?
2. Did you demonstrate that you understand what non-viable means? Did you choose a solution that doesn’t makes sense in context and explain it?
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