Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**4.2B Solving Inequalities Using Addition and Subtraction\_Classwork**

*Objective: Solve Inequality Word Problems Using Addition and Subtraction. CC.SS.7.EE.4b*

*HW: 4.2B worksheet*

**Write** an inequality. **Solve** an inequality that represents x. **Graph** an inequality.

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| --- | --- |
| 1. The perimeter is less than 28 feet.

 | 1. The base is greater than the height.

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| 1. The perimeter is less than or equal to 51 meters.

 | 1. The perimeter is at least 18 feet.

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| 1. You need at least 5000 points to earn a gift card from your bank. You currently have 2700 points.
2. Write and solve an inequality that represents the number of points you need to earn a gift card.
3. You deposit money in your savings account and earn an additional 400 points. How does this change the inequality?
 |

**WARM-UP**

Solve the inequality. Graph the solution.

 1.  2. 

3. Tell whether the given value is a solution of the inequality. Write TRUE or FALSE after you solve the problem.

$$\frac{w}{4}+2w<-w+3;w=-4$$

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