Name Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_\_

Algebra U6L4 – Inequality Graph Situations & Systems of Inequalities

**Warm Up…**

|  |  |  |
| --- | --- | --- |
| **y < -3x + 3** | **2x – 5y ≤ 10** | **x > -2** |

**Exploration #1: Inequality Graph Situations**

|  |  |
| --- | --- |
| Suppose your class is raising money for the Red Cross. You make $3 on each basket of fruit and $5 on each box of cheese that you sell. How many items of each type must you sell to raise more than $100?  |  |
| **You Try...**Suppose you intend to spend no more than $60 buying books. Hardcover books cost $12 and paperback cost $5. How many books of each type can you buy? |  |



Name Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_\_

EXIT TICKET - Algebra U6L4: Inequality Graph Situations

You want to spend less than $100 buying meals for the next few weeks. Fast food meals cost $5 and meals from the grocery store cost $2. Write and graph an inequality to show the possible meals you can buy.



 Inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 How many meals could you buy of each type?

 (give one solution)

Name Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_\_

EXIT TICKET - Algebra U6L4: Inequality Graph Situations

You want to spend less than $100 buying meals for the next few weeks. Fast food meals cost $5 and meals from the grocery store cost $2. Write and graph an inequality to show the possible meals you can buy.



 Inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 How many meals could you buy of each type?

 (give one solution)

Name Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_\_

LIFEWORK - Algebra U6L4: Practice Graphing Inequalities

***\*\* The Answer Key is on the back so you can check your work***

**CamannMathCafe.Weebly.com**

**#1.** Graph **. #2.** Graph **.**

****

**#3.** Graph ** #4.** Graph **.**

****

**Algebra Lifework U6L4 Key:**

****