**Clue 2 Set 1**

1. A drummer and a guitarist each wrote songs for their band. The guitarist wrote fewer than twice the number of songs that the drummer wrote. They wrote a total of songs.

Which system of equations models this situation if the drummer wrote songs and the guitarist wrote songs?

|  |  |  |  |
| --- | --- | --- | --- |
| envy |  | Big |  |
| magic |  | Strike |  |

2. What is the solution to

|  |  |
| --- | --- |
| rock |  |
| still |  |
| golf |  |
| dive | No solution |

3. A bus travels two different routes: the Green Route and the Blue Route. The routes are different lengths.

* On Monday the bus traveled the Green Route times and the Blue Route times, traveling a total of miles.
* On Tuesday the bus traveled the Green Route times and the Blue Route times, traveling a total of miles.

What is the length of the Green Route in miles?

|  |  |
| --- | --- |
| blank | miles |
| beans | miles |
| zone | miles |
| tart | miles |

**Clue 2 Set 2**

1. What is the equation in slope-intercept form of the line that passes through and ?

|  |  |  |  |
| --- | --- | --- | --- |
| light |  | print |  |
| sore |  | note |  |

2. A student is ordering a flower arrangement. She can choose any combination of roses and carnations for her flower arrangement, and she does not want to spend more than .

If roses cost each and carnations cost each, which inequality represents all possible combinations of roses and carnations?

|  |  |  |  |
| --- | --- | --- | --- |
| silk |  | even |  |
| berry |  | board |  |

3. A set of weights includes a lb barbell and pairs of weight plates. Each pair of plates weighs lb. If pairs of plates are added to the barbell, the total weight of the barbell and plates in pounds can be represented by .

What is the range of the function for this situation?

|  |  |
| --- | --- |
| high |  |
| bird |  |
| room |  |
| report |  |

**Clue 2 Set 3**

1. Researchers in Antarctica discovered a warm sea current under a glacier that is causing the glacier to melt. The ice shelf of the glacier had a thickness of approximately m when it was first discovered. The thickness of the ice shelf is decreasing at an average rate of m per day.

Which function can be used to find the thickness of the ice shelf in meters days since the discovery?

|  |  |
| --- | --- |
| magic |  |
| credit |  |
| belly |  |
| square |  |

2. What is the equation of the line that passes through the point and has a slope of zero?

|  |  |
| --- | --- |
| snack |  |
| fall |  |
| water |  |
| board |  |

3. Which value of makes the equation true?

|  |  |
| --- | --- |
| deep |  |
| color |  |
| car |  |
| hole |  |