Algebra 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quest Review Period: \_\_\_\_\_

Solve using elimination. Don’t forget to check your work!!

1.  2.  3.  4. 

Solve by graphing the system.

9.  10. 

Solve using substitution. Don’t forget to check your work!!

11.  12.  13. 

For # 14-19, choose a method to solve the system of equations.

14.  15.  16. 

17.  18.  19. 

Define the variables and solve the system of equations for #20-23.

1. A department store is having a sale on women’s shoes. The store prices sandals at $20 a pair and wedges at $25 a pair. At the end of the day total receipts showed 55 pairs of shoes were sold for a sum of $1250. How many sandals and how many wedges were sold?
2. All 231 students in the Math Club went on a field trip. Some students rode in vans which hold 7 students each and some students rode in buses which hold 25 students each. How many of each type of vehicle did they use if there were 15 vehicles total and all were completely filled?
3. Ed spent $3.40 for 22 stamps. If he bought only $0.25 and $0.10 stamps, how many of each type did he buy?
4. An auto body shop has 29 vehicles. Every vehicle is either a motorcycle or a truck. If there are a total of 100 tires in the body shop, how many motorcycles are there? Trucks?

1. Sketch an example of what each type of system of equations would look like:

|  |  |  |
| --- | --- | --- |
| 1. One solution | 1. No solution | 1. Infinite solutions |

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