

Name: \_\_\_\_\_

Date: \_\_\_\_\_

---

## Systems of Linear Equations – Word Problems

---

5-Step Method:

1. Define variables
2. Write the system of equations
3. Solve showing all steps
4. Check your answer
5. State your solution in sentence form

- 
1. You sell tickets for admission to your school play and collect a total of \$104. Admission prices are \$6 for adults and \$4 for children. You sold 21 tickets. How many adult tickets and how many children tickets did you sell?
- 
2. At an Italian bistro, the costs of 2 plates of spaghetti and 1 salad is \$27.50. The cost for 4 plates of spaghetti and 3 salads is \$59.50. Find the cost of a plate of spaghetti and a salad.
- 
3. Peggy walks at a rate of 2 miles per hour and jogs at a rate of 4 miles per hour. She walked and jogged 3.4 miles in 1.2 hours. For how long did Peggy jog and for how long did she walk?
-