

Name _____

Solving Systems by Addition Quiz

Directions: Solve and check each of the systems algebraically

1) $4x + y = 12$
 $x - y = -2$

Solution _____

2) $2x + 3y = 5$
 $2x + 8y = 20$

Solution _____

3) $5x + 3y = 14$

$$4x - y = 1$$

Solution _____

- 4) Devin buys 1 child ticket and 3 adult tickets to the school concert and spends a total of \$24. Dan buys 1 child ticket and 5 adult tickets and spends a total of \$38. Solve the system to find the cost of each child ticket (x) and each adult ticket (y).

$$x + 3y = 24$$

$$x + 5y = 38$$

Child ticket _____

Adult ticket _____