Algebra 1 Name_____ ID: 1

6.4 Solving Systems using Elimination HW-2

Date_____ Period____

Solve each system by elimination. CHOOSE 2

1) $-10x - 6y = -10$
$10x - 6y = 10$

2) $-2x - y = 9$
$2x + 5y = 27$

3) $-2x + 7y = -4$
$x - 7y = -5$

Solve each system by elimination CHOOSE 2

4) $10x + 8y = 24$
$9x + 6y = 24$

5) $3x - 7y = 11$
$-2x + 4y = -8$

6) $-9x - 9y = 9$
$-7x - 5y = -13$

Solve each system by elimination. CHOOSE 1

7) $8x - 3y = 7$
$-10x + 3y = -11$

8) $5x + 8y = 14$
$2x - 8y = 28$

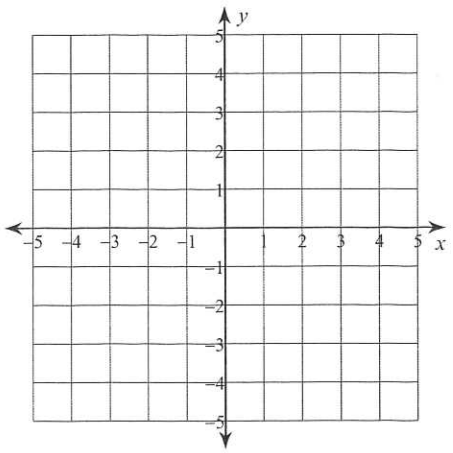
Solve each system by elimination CHOOSE 1

9) $x - 10y = 11$
$4x - 10y = -16$

10) $x - 7y = -19$
$x - 6y = -17$

Solve each system by graphing.

11) $5x + 3y = -6$
$x - 3y = -12$



Solve each system by substitution.

12) $-2x + y = 6$
$-5x + 3y = 11$

Solve the systems using either Substitution or Elimination

13) Jose's school is selling tickets to a choral performance. On the first day of ticket sales the school sold 14 adult tickets and 3 child tickets for a total of $105. The school took in $75 on the second day by selling 9 adult tickets and 3 child tickets. Find the price of an adult ticket and the price of a child ticket.