



NAME _____ DATE _____ PERIOD _____

7-4 Skills Practice**Use Elimination By Addition to solve each system of linear equations.**

1. $x + y = -9$
 $5x - 2y = 32$

2. $3x + 2y = -9$
 $x - y = -13$

3. $2x + 5y = 3$
 $-x + 3y = -7$

4. $2x + y = 3$
 $-4x - 4y = -8$

5. $4x - 2y = -14$
 $3x - y = -8$

6. $2x + y = 0$
 $5x + 3y = 2$

Use Elimination By Substitution to solve each system of linear equations.

1. $y = 6x$
 $2x + 3y = -20$

2. $x = 3y$
 $3x - 5y = 12$

3. $x = 2y + 7$
 $x = y + 4$

4. $y = 2x - 2$
 $y = x + 2$

5. $y = 2x + 6$
 $2x - y = 2$

6. $3x + y = 12$
 $y = -x - 2$

7. $x + 2y = 13$
 $-2x - 3y = -18$

8. $x - 2y = 3$
 $4x - 8y = 12$

9. $x - 5y = 36$
 $2x + y = -16$

Bonus:

Tickets to a movie cost \$7.25 for adults and \$5.50 for students. A group of friends purchased 8 tickets for \$52.75.

- Write a system of equations to represent the situation.
- How many adult tickets and student tickets were purchased?

Look: All work on loose leaf! Mr. C.