Algebra 1 Name_____

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Extra Credit: Solving by Elimination

Date_____ Period____

Solve each system by elimination.

1) $-3x + 2y = 6$
$3x - 6y = 6$

2) $-5x + 6y = 23$
$5x - 2y = -11$

3) $x - 3y = 15$
$5x + 3y = -33$

4) $-10x + 14y = 26$
$10x - 7y = 37$

5) $-4x - 4y = -8$
$7x + 4y = 14$

6) $12x - 5y = 14$
$7x + 5y = 24$

7) $9x - 7y = 16$
$-9x - 10y = 1$

8) $-5x + 7y = 38$
$5x - 3y = -22$

9) $9x - 14y = 25$
$-9x + 14y = -20$

10) $2x - 8y = 26$
$-2x + 11y = -35$

11) $9x + 13y = 30$
$-9x - 13y = -16$

12) $13x - 7y = -17$
$-11x + 7y = 9$

13) $-2x + 8y = 42$
$-2x - 8y = 10$

14) $-x + 7y = 32$
$x - y = -8$

15) $-13x - y = -17$
$-7x + y = -23$

16) $7x + 6y = -42$
$-7x - 10y = 42$

17) $5x - 2y = 26$
$5x + 12y = -16$

18) $-x - 2y = 16$
$-x - 2y = 9$

19) $-4x - 11y = -24$
$-4x + 2y = 28$

20) $x + 6y = -6$
$x + 3y = -3$

21) $2x + 8y = 42$
$2x - 12y = -18$

22) $-13x + 7y = 13$
$x + 7y = -1$

23) $11x + 3y = 2$
$11x + 6y = -7$

24) $12x + 6y = -30$
$12x + 5y = -27$

25) $-5x + 3y = -5$
$-7x + 3y = -1$

26) $3x - 12y = -42$
$3x - 5y = -35$

27) $-11x - 4y = 37$
$5x - y = 17$

28) $-9x - 10y = -13$
$3x + 5y = 26$

29) $-x + 2y = 16$
$12x - 9y = 3$

30) $4x - y = -12$
$-8x - 2y = -8$

31) $2x - 3y = -1$
$-16x - 9y = 41$

32) $20x + 4y = 32$
$10x - y = 7$

33) $-16x + 6y = 6$
$-8x + 3y = 3$

34) $-26x + 6y = -2$
$-13x + 8y = 19$

35) $22x - 10y = -14$
$11x - y = 25$

36) $13x + 14y = -26$
$-26x - 28y = 38$

37) $-x + 24y = 35$
$4x + 12y = -32$

38) $-2x - 11y = 2$
$3x + 22y = -3$

39) $11x + y = 9$
$22x + 2y = 18$

40) $-13x - 2y = -21$
$-x + 4y = 15$

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