

ECOW

Extra Credit of the Week

Class Alg.
DUE 1/12

1. Complete the following problems with a minimum 80% accuracy.
2. Rewrite the problem and show all work NEATLY on binder paper in pencil.
3. Do not use a calculator.
4. You may need to refer to your notes or textbook examples.

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Solve each system using substitution. Write *no solution* or *infinitely many solutions* where appropriate.

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

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

3. $y = 3x - 10$
 $y = 2x - 5$

4. $x = -2y + 1$
 $x = y - 5$

5. $y = 5x + 5$
 $y = 15x - 1$

6. $y = x - 3$
 $y = -3x + 25$

7. $y = x - 7$
 $2x + y = 8$

8. $y = 3x - 6$
 $-3x + y = -6$

9. $x + 2y = 200$
 $x = y + 50$

10. $3x + y = 10$
 $y = -3x + 4$

11. $y = 2x + 7$
 $y = 5x + 4$

12. $3x - 2y = 0$
 $x + y = -5$

13. $4x + 2y = 8$
 $y = -2x + 4$

14. $6x - 3y = 6$
 $y = 2x + 5$

15. $2x + 4y = -6$
 $x - 3y = 7$

16. $5x - 3y = -4$
 $x + y = -4$

17. $y = -\frac{2}{3}x + 4$
 $2x + 3y = -6$

18. $2x + 3y = 8$
 $\frac{3}{2}y = 4 - x$

19. $3x - y = 4$
 $2x + y = 16$

20. $x + y = 0$
 $x = y + 4$

21. $5x + 2y = 6$
 $y = -\frac{5}{2}x + 1$