

NAME _____

DATE _____

Pre-Algebra

Practice with Solving Equations

Solve each equation. Show all of the steps and all the work!! Do all of your work on another sheet of paper.

A

1. $-8 = 5a - 3a$

2. $3w + 1 - 2w = 3$

3. $4t - 3 - 3t = -5$

4. $2 = 6x - 3 - x$

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

6. $b - \frac{1}{2}b - 4 = 0$

7. $\frac{7}{6}c - c - 6 = 0$

8. $5.5r - r = 90$

9. $0 = -y - 3y - 16$

10. $0 = 35 - 5x - 2x$

11. $18k - 6k - 14k = 6$

12. $11h - 5h + 16 = 4$

13. $2h - 3h + 4 - h = 10$

14. $5y + 10 - 3y - y = -7$

15. $x + (x + 1) + (x + 2) = 9$

16. $(y - 2) + (y - 1) + y = -3$

B

1. $19n - 11 - 12n - 5 = 5$

2. $-7h - 17 - 6 + 4h = 17$

3. $-2t + 3(2 + t) = -10$

4. $2(a + 5) - a = -7$

5. $2(x + 3) - 6x - 4 = 8$

6. $4z + 3(z + 7) = -14$

7. $-5(1 + w) + 4w = 8$

8. $-3(2 - y) + 2y = 7$

9. $5a - (1 - a) + 4 = 9$

10. $-7 - (-3 - 2g) - 10 = 0$

11. $1.5k - (k + 2.4) = 17.4$

12. $3s - (0.5s + 7.2) = 32.8$

C

1. $5(m + 2) - 4(m + 1) - 3 = 0$

2. $3(8n - 2) - 3(1 - n) + 8 = 8$

3. $74 - 2[(35 + 2x) - 3] = -6$

4. $2a - [(3a + 4) - 5] - a = 5$

5. $-2[z + 3(5 - z)] - 5(z - 7) = 0$

6. $6[x - 2(2x + 3) + 1] + 3(5 + 6x) + x = 0$

7. $7(|x| - 2) - 3|x| - 16 = 2$

8. $2|t| - (|t| - 1) = 7$