

Name:

Date:

Period:

Please show ALL your work to solve these equations in your notebook.

Equations with parenthesis (You must **DISTRIBUTE** to eliminate the parenthesis):

1. $5(x + 2) = 20$

2. $3(y - 9) = 30$

3. $8(2c - 1) = 56$

4. $6(3c - 1) = -42$

5. $36 = -2(10 - y)$

6. $-4(x + 1) = 32$

7. $8(2m - 3) = -72$

8. $-5(x + 9) = 105$

9. $-160 = -10(3x - 4)$

10. $-6(3x + 4) = 156$

11. $-3(2x + 1) = 12$

12. $-21 = -3(4 - x)$

Combine like terms (Variable on the SAME SIDE of equal sign get **COMBINED** using the T-chart!):

1. $9x - 5x + 9 = 1$

2. $5x + 2x - 17 = 53$

3. $2y - 8y + 29 = 5$

4. $8x - 21 - 5x = -15$

5. $5x + 1 - 9x + 4 = -11$

6. $10x + 8 - 5x - 3 = -16$

7. $-155 = -7x + 6 - 8x + 4$

8. $13x + 12 - 11x - 31 = -57$

9. $-30 = 9 - 7x - 15 - x$

10. $18 - 9x - 4x + 4 = -4$

11. $4x + 10 + 2x - 15 = -17$

12. $8x - 3 - 4x - 9 = -4$