

Name:

Date:

Period:

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

Variable on both sides of equal sign. You must **ELIMINATE** the smaller variable by moving it to the other side of the equal sign.

1. $13x - 30 = 8x$

2. $10x - 30 = -5x$

3. $9x = -7x + 32$

4. $-9x - 39 = 4x$

5. $-36x = -13x + 46$

6. $15x + 36 = -3x$

7. $6x = -27 - 3x$

8. $-8x = -21 - 11x$

9. $-28 - 8x = -10x$

10. $5x - 40 = 3x$

11. $10m = 11m - 48$

12. $19x = -100 - x$

Variable and constant on both sides of the equal sign. You must **ELIMINATE** the smaller variable by moving it to the other side of the equal sign, then solve the equation as a two-step equation.

1. $3x + 10 = 2x - 21$

2. $x - 4 = 6x - 19$

3. $-3p + 8 = 2p - 2$

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

5. $y + 3 = 7y - 21$

6. $20c + 5 = 5c + 65$

7. $-3k + 10 = k + 2$

8. $3n + 7 = 7n - 13$

9. $4a - 9 = 6a + 7$

10. $11h - 14 = 7 + 14h$

11. $8x - 4 = -10x + 50$

12. $13x + 5 = -5x - 49$