

1.5 Solving Multi-Step Equations

NAME: _____ HOUR: _____

Solve the following equations for x

1. $-28 = 2x$

2. $\frac{1}{5}x = 10$

3. $-3x - 2 = 7$

4. $3x + 2 = 2x + 5$

5. $5x - 4 = -2x + 10$

6. $-10 + x + 4 - 5 = 7x - 5$

7. $3(x + 2) = 11$

8. $15 = 3(x - 1)$

9. $13 = 3x - 2(-5 + x)$

10. $4x - 40 = 7(-2x + 2)$

11. $3(1 - 3x) = 2(-4x + 7)$

12. $2(x - 4) = 3(x - 3)$

13. $4 = \frac{4}{5}x$

14. $\frac{x}{2} = 23$

$$13. \frac{x}{-6} - 12 = 2$$

$$14. \frac{x}{3} - 14 = -2$$

$$15. \frac{8x-2}{9} = 6$$

$$16. \frac{-3x+1}{7} - 4 = 28$$

$$17. \frac{3x+9}{2} = 9 - 4x$$

$$18. \frac{3}{2}x + 12 = 4$$

$$19. -2.1x + 1 = -1$$

$$20. 1.4x - 3 = 2 + x$$

$$21. 8x + 4(4x - 3) = 4(6x + 4) - 4$$

$$22. \frac{3}{5}x + 11 = 2$$