

Algebra Practice Problems

Name: _____

Date: _____

Worksheet generated at www.math.com

1.) $9 + \frac{x}{3} = 15$

2.) $-5x + 6 = -9$

3.) $1 - 2x = -3$

4.) $\frac{x}{5} + 8 = 68$

5.) $-7 - 3x = 20$

6.) $6x + 10 = -2$

7.) $7x + 5 = 89$

8.) $3x + 4 = -11$

9.) $8 + \frac{x}{3} = 29$

10.) $5 - 3x = 23$

11.) $4 + 5x = -56$

12.) $\frac{x}{4} - 9 = -21$

13.) $-4 + 4x = -48$

14.) $3x + 3 = 21$

15.) $3 + \frac{x}{-4} = -51$

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

Solving One-Variable Equations (Distributive Property & Fractions)

Name: _____ Date: _____

Instructions: Solve each equation. Show your work.

1. $-6(11 + 7x) = -90$

2. $4(3x + 5) = 68$

3. $-5(2x - 9) = 25$

4. $3(4x - 7) = 33$

5. $-2(6x + 4) = -40$

6. $\frac{(x + 6)}{3} = 4$

7. $\frac{(2x - 8)}{4} = 3$

8. $\frac{(x - 5)}{5} = 2$

9. $\frac{(3x + 9)}{6} = 5$

10. $\frac{(2x + 10)}{5} = 6$

11. $7(2x - 3) = 49$

12. $-4(5x + 1) = -44$

13. $6(3x - 2) = 60$

14. $-3(8x - 6) = -54$

15. $5(4x + 2) = 70$

16. $\frac{(x - 4)}{2} = 7$

17. $\frac{(4x + 12)}{8} = 5$

18. $\frac{(3x - 6)}{4} = 8$

19. $\frac{(2x + 14)}{7} = 4$

20. $\frac{(5x - 15)}{5} = 9$