

Lesson #6: Solving One and Two Step Equations
(Reference: Lesson #19, #21 & #23 in book)**Problem**

1. FOR THE FOLLOWING PROBLEMS PLEASE SOLVE FOR THE INDICATED VARIABLE. (PLEASE SHOW ALL OF YOUR WORK ON YOUR SOLUTION SET AND BE SURE TO CHECK YOU ANSWERS:

1. ADDING AND SUBTRACTING EQUATIONS

1. $x + 6 = 9$
2. $p - 9 = 21$
3. $-14 = y + 8$
4. $17 = -5 + x$
5. $x + \frac{1}{4} = -\frac{3}{8}$
6. $-\frac{1}{10} = -\frac{1}{5} + x$

7. MULTIPLYING AND DIVIDING EQUATIONS

7. $5x = 20$
8. $\frac{1}{2}w = 8$
9. $\frac{3}{2}y = -3$
10. $-8r = 60$
11. $\frac{m}{6} = 8$
12. $-\frac{2}{5}p = 7$

13. **TWO STEP EQUATION (COMBINATION OF ADDING/SUBTRACTING AND MULTIPLYING AND DIVIDING).**

$$13. 4x + 5 = 17$$

$$14. -8 = 5m - 6$$

$$15. -28 = -4 - 8w$$

$$16. -\frac{1}{3}x - 2 = -7$$

$$17. \frac{1}{2}m + \frac{2}{3} = \frac{1}{4}$$

$$18. -\frac{1}{3}w - \frac{3}{4} = -\frac{2}{3}$$