

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**Math 7: Equation Day 3 – One-Step Equations**

Directions: Solve each equation using inverse operations. Show all your work.

1.  $8 = a - 2$

2.  $x + 7 = 11$

3.  $r - 2 = -6$

4.  $-18 = m + 12$

5.  $f + 10 = -10$

6.  $-1 = n + 5$

7.  $-3p = -48$

8.  $-98 = 7t$

9.  $-9 = \frac{y}{-3}$

10.  $\frac{h}{10} = 3$

11.  $\frac{3}{5}x = 12$

12.  $\frac{5}{8}x = -15$

13.  $-4 = \frac{2}{3}b$

14.  $\frac{1}{4}z = \frac{2}{5}$

15. Jeremy mowed several lawns to earn money for camp. After he paid \$17 for gas, he had \$75 leftover towards camp. Write and solve an equation to find how much money Jeremy earned mowing lawns.

Equation: \_\_\_\_\_

16. Susan's cell phone plan allows her to use 950 minutes per month with no additional charge. She has 188 minutes left for this month. How many minutes has she already used this month? Write and solve an equation.

Equation: \_\_\_\_\_

17. In the fifth year of operations, the profit of a company was 3 times the profit it earned in the first year of operation. If its profit was \$114,000 in the fifth year of operation, what was the profit in the first year? Write and solve an equation

Equation: \_\_\_\_\_