

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

Week 32 Homework Packet – 7<sup>th</sup> Grade Math

Score  
/ 4

Week Score  
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Stamp

**ASSIGNMENT DUE WED/THU. APRIL 5/6. 2017**

Unit 3, Chapter 6 – Equations and Inequalities

Solve each two-step equation below. ***Show each step!*** You will not receive a stamp if you do not show each step.

1)  $4x + 5 = 21$

2)  $3m - 11 = 7$

3)  $\frac{k}{4} + 5 = 3$

4)  $6 - 3r = 12$

5)  $19 = 6y - 2$

6)  $13 - 8q = -19$

7)  $\frac{j+5}{3} = 4$

Your friend has solved a series of equations and asks you if you can check them for him. Check each solution below to determine if they are correct by substituting your friend's answer into the original equation. An example has been done for you. ***Show all work!***

Ex.)  $2m + 7 = 15$                        $m = 4$   
 $2(4) + 7 = 15$   
 $8 + 7 = 15$   
 $15 = 15$       *Correct*

8)  $12 - \frac{t}{5} = 7$                        $t = 25$

9)  $3k - 14 = -2$                        $k = -4$

10)  $10q + 5 = 20$                        $q = \frac{1}{2}$

11)  $\frac{15}{n} + 4 = 7$                        $n = 5$

12)  $11 - 5r = -14$                        $r = 5$

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

7<sup>th</sup> Grade Math

Score

/4

Stamp

**ASSIGNMENT DUE FRIDAY, APRIL 7, 2017**

Unit 3, Chapter 6 – Equations and Inequalities

Solve each equation below. ***Show all work!***

1)  $3m + 2m + 4 = 39$

2)  $4x - 2 - x = 25$

3)  $10y - 5 - 7y + 4 = -22$

4)  $2(d + 5) - 3d = 14$

5)  $4 - 8w + 9 = -3$

6)  $-5t + 11 + 3t = 21$

7)  $3(q + 4) = 18$

For each problem, write an equation to model the scenario, then solve the equation.

8) During a bake sale, the fundraising team earned \$14 more on Saturday than they did on Sunday. If they earned a total of \$96 for the whole weekend, how much money did they raise on Saturday?

9) A baseball costs \$100 less than a baseball bat. If the ball and bat cost \$110 together, then how much does the baseball cost?

10) You walk into a store and buy four packages of hot dogs for a barbecue. You walked into the store with \$20 and ended up with \$2 leftover in change. How much did each package of hot dogs cost?

11) You want to rent a boat and the fee for the boat is \$50, plus an additional \$20 per hour. If you have \$150 to spend, for how many hours can you rent the boat?