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

**Week 15- Honors- Homework**

Solve the following problems. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. Solve the two-step equation.  n + 52= 100              8 | 2. Write the following in exponential form and  evaluate:A. 18 x18 x 18 x18 x 18=  B. 12 x 12 =  C 9x 9 x 9x 9 =  |
| 3. a) 5555 ÷ 55 = b) 88888 ÷ 8 =  c) 99.4226 + 66 = d) 911-2.55=  | 4. What is the greatest common factor of 30 and 42? |

**Honors- Homework**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Alice earned $89.70 on Monday, $25.25 on Wednesday, and $55.82 on Saturday. How much did she earn in all? | 2. The table below shows the cost of t-shirts per pack.

|  |  |
| --- | --- |
| T-shirts per pack (x) | Cost (y) |
| 6 | $30 |
| 7 | $35 |
| 8 | $40 |

Write an equation below that could be used to calculate the cost of x t-shirts per pack? |
| 3. Solve and Graph the inequalities1. 5n – 15 ≤ 25
2. 66y ≤ 132
 | 4. What is the least common multiple of 10 and 6?? |

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

**Honors- Homework**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. Write in expanded form and solve. a) 104 =  b) 45 =  c) 2420=  d) 6451=  | 2. Evaluate.* 1. (63 ÷ 6)4
	2. (43 ÷8)2
 |
| 3. Mario Andretti drove 99960 miles for work in 20 days. On average, how many miles per day did Mr. Sampson drive? | 4. Use the distributive property in order to combine the like terms to the following expression:  7(6a +10) + 9(3 – 8a)  |

**Honors- Homework**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. The total admission cost for 55 students to go to the zoo was $2475.00. The admission cost was the same for each student. What was the admission cost for each student?  | 2. What are the LCM and the GCF of 12 and 8? |
| 3. Complete the table of values: y = 38 + 18x

|  |  |
| --- | --- |
| *x* | *y* |
| 0 |  |
| 1 |  |
| 2 |  |
| 3 |  |

 | 4. Solve.(140 + 2)0 + 2( 32 ÷ 8 +9) + 25 |