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

**Homework – Monday (April 11, 2016)**

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

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| 1. What is the value?   -2 [42 + (½)2]   | 2. A city’s daily low temperatures in January fluctuated between -7℉ and 2℉. What was the temperature range? |
| 3. Mrs. Martin divided 5 dozen flowers into 3 baskets to give as presents. The first basket had (x+8) flowers, the second basket had (2x) flowers, and the third basket had (x+12) flowers. How many flowers were in the basket that had the most flowers?  | 4. A 20-foot piece of rope will be cut into as many 1 ½-foot sections as possible. How much rope will be left over?  |

**Homework- Tuesday (April 12, 2016)**

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

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| 1. Which set contains only ordered pairs that satisfy the equation y = 2x+3?1. {(0,2), (1,3), (2,4)}
2. {(0,2), (1,5), (2,8)}
3. {(0,3), (1,4), (2,5)}
4. {(0,3), (1,5), (2,7)}
 | 2. What is the solution for the inequality?  -3w + 3 ≥ 18  |
| 3. A music store is having a clearance sale. All items are discounted by 20%. Sales tax is 6%. What is the price of a radio that regularly costs $38?  | 4. Simplify.  6 (a - 2b) - 3 (4a - b) |

**Homework - Wednesday (April 13, 2016)**

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

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| 1. The manufacturer’s price for a tent is $28.50. A camping store that bought the tent sells them for $40.76. What was the percent of increase in the price of the tents? (Round to the nearest percent.)   | 2. In a group of 20 students, there are 12 girls. What is the ratio of boys to girls?  |
| 3. CJ is making pancakes. The recipe asks for ¾ cup flour to make 4 servings. How much flour is needed to make 1 serving?  | 4. Ernesto spent $34.00 for 12 gallons of gasoline. At the same price per gallon, how many gallons could he buy for $51.00?  |

**Homework - Thursday (April 14, 2016)**

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

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| 1. The ratio of the dimensions of a rectangular picture is 5:4. The shorter dimension is 6 ½ inches. What is the longer dimension? (Round to the nearest tenth.)  | 2. The diameter of a circle is 12 cm. What is the area of the circle in centimeters? Use 3.14 for pi. |
| 3. The complement of an angle is two more than three times the angle. Find the measure of the angle and its complement.  | 4. What is the volume of a cylinder with a radius of 5cm and height of 10cm? Use 3.14 for pi. |