**Name: Weekly Math Homework – Q3:Wk2 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) Solve:  -5x – 12 = -22 | 5.) Solve:  -½ x + 1 > 3 | 9.) Solve:  105 = -10x – 15 | 13.) Solve:  -2(x – 7) < 5 |
| 2.) Over the weekend Rene spent a total of $180. Of the total she spent 40% on groceries, ¼ on new clothes, and the remaining amount going to the Hornets game. How much did she spend at the Hornets game? | 6.) The Jimenz family spent $74.58 at dinner. They were charged 7.5% sales tax on their meal. After applying the tax, they decided to leave a 20% tip for the waiter. How much did they spend in all? | 10.) A 7th grade poll went out last week. 100 students were ask their favorite teacher. Of the students asked 35% answered Ms. Duchak, 2/5 answered Mrs. King, and the rest answered Ms. McCullogh. How many students answered Ms. McCullogh? | 14.) Mike bought a new mountain bike for $250. He had a 15% off coupon. After applying the coupon, the store charged him 6% sales tax. How much was Mike charged for his new bike? |
| 3.) Simplify:  -2x + 7y – 7x + 9y | 7.) Simplify:  -2(x + 3) + 4(-2x – 3) | 11.) Simplify:  2.5n – 7.25 – 5.25 + 7.25n | 15.) Simplify:  2(3y – 7x) – 5(x – 5) |
| 4.) A rectangular garden has a length of 12 ft and a width of 5 ft. If a gardener wants to enlarge the garden by a scale of 2.5. What would be the area of the new garden? | 8.) An equilateral triangle has a length of 2.5 cm. The triangle is enlarged using a scale of 2.5. What is the new perimeter of the triangle after it is enlarged? | 12.) If Vanessa uses ½ cups of sugar to bake 12 cookies, how much sugar is needed per cookie? | 16.) Logan can run a 26-mile marathon in 2.5 hours. If he runs at a constant rate, how long many miles does he run in ½ hour? |