**Name: Weekly Math Homework – Q3:Wk4 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) Solve:  -5x – 2 = -32 | 5.) Solve:  -½ x - 1 > -1 | 9.) Solve:  85 > -x – 15 | 13.) Solve:  -2(x – 4) = 12 |
| 2.) Below is a right triangle ABC. Solve for x:  **C**  **A**  **15o**  **x**  **B** | 6.) In an Isosceles Triangle XYZ. Angles X and Y are congruent and measure 60 degrees each. If Angle X measures (2x + 10) what is the value of x? | 10.) Triangle EFG is shown below. Solve for x:  **G**  **F**  **E**  **62o**  **2x + 15**  **X** | 14.) In **Δ** ABC Angle A measures 2x + 15 degrees, Angle B is a Right Angle. What is the measure of Angle C? |
| 3.) If Jose can run 2 miles in 5 ½ minutes and continues to run at a constant rate, how far can he run in 12 minutes? | 7.) In a recent study of favorite animals was conducted:  **-34% liked Penguins**  **-2/8 like Lions**  **-21 out of 50 people liked Giraffes**  Which animal was most liked? | 11.) What is the probability of rolling a fair number cube labeled 1-6 twice and getting an even number followed by a number less than 3? | 15.) A spinner has the following colors: Red, Yellow, Green, Blue, and Purple. What is the probability of spinning it twice and getting yellow two times in a row? |
| 4.) Angles A and B are supplementary if the measure of Angle A is 5n -15 and Angle B measures 75 degrees. What is the value of n? | 8.) Solve for n:  **2n**  **3n + 20** | 12.) Angles X and Y are complementary, if Angle X measures 65 degrees and Angle Y measures (2n – 8). What is the value of n? | 16.) Solve for n:  **4n + 12**  **n** |