**Name: Weekly Math Homework – Q3:Wk5 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) Solve:  -3x – 7 = -28 | 5.) Solve:  -¼ x + ½ = 12 | 9.) Solve:  12 < 5 – n | 13.) Solve:  -12x + 8 > 68 |
| 2.) Triangle ABC is shown below, solve for n:  **2n + 12**  **30**  **30** | 6.) In **Δ** XYZ Angle X measures 2n + 5 degrees, Angle Y is a Right Angle. Angle C measures 30 degrees. What is the measure of Angle X? | 10.) A Right Triangle is shown below. Solve for n:  **45**  **2n - 15** | 14.) Which of the following sides will construct a triangle?  A: (7, 2, 4)  B: (1, 2, 3)  C: (12, 4, 9)  D: (3, 7, 3) |
| 3.) A circle has a diameter of 12, what is the approximate area of the circle? | 7.) A circle has a radius of 10 what is the approximate circumference | 11.) A pizza is experimenting with a new pretzel crust on their pies. If the pizza has a 16 inch diameter, how many inches of pretzel crust will they need to surround the pizza? | 15.) Mr. Archer needs a new pool cover for his circular pool. If his pool has a radius of 12.5 feet, how many square inches of material will he need to cover the pool? |
| 4.) Solve for n:  **n + 10**  **16o**  **n** | 8.) Solve for n:  **3n - 15**  **62o** | 12.) Solve for n:  **2n**  **4n -5** | 16.) Angle X and Angle Y are supplementary angles. If Angle X measures (2n – 5) and Angle Y measures 110o. What is the measure of angle X? |