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

|  |  |  |  |
| --- | --- | --- | --- |
| **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? |