Homework Week 13 – Due on Friday Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***“To me perseverance is having the will to be able to keep pushing forward” – J-von Hudson***

Monday:

1. 35 = x
2. 5x = 3
3. X4 = 5.3
4. 84– x= 6
5. 3x = 1.05

Tuesday: Solve the following:

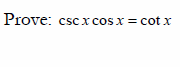
1. 18

Wednesday: Solve the following

1. You bought a new car for 17,000. The car decreases its value about 11% each year. What is the value after 7 years?
2. You open a new bank account with $1,000 and a 3.5% interest rate in 2014. How much money will you have in the account after 15 years?
3. The current population of a town is 26,587 people. The town’s population is growing at a rate of 5.7% each year. In how many years will the population be 50,000 people?

Thursday: (Mixed Review)

1.



2. Identify sin 225o

3. Identify the amplitude and the period of the following:

Y = 4sin2x

4. Identify the center and the radius of the following circle:

X2 + y2 + 18x + 15 = 12y

5. Identify the center and the radius of the following circle:

X2 + y2 - 10x + 4y = 20