1. A bacteria population of 500 cells is continuously growing at a rate of 16% every 8 hours. How many bacteria cells after 2 weeks?

2. $7000 is invested in a CD compounded quarterly at 2.8%. How much is the investment worth at the end of 4 years?

3. Jan 1st there were 20 students who were playing the stupid game of Fortnite. The addiction caught on and 50% more kids were playing every 12 hours!! How many students were playing after the month of January?

4. Someone sprays an unnecessary amount of body spray and there are 500,000 molecules in the air. Fortunately every 5 minutes 10% dissipate, how many molecules will be floating in the air in 2 hours?

5. A virus has infected BHS! It is continuously infecting people at a rate of 4% per hour. If 30 people originally have the virus, how many after a school week?

6. If you invest 1 penny and it will get 100% interest each day, how much money will you have at the end of March

7. A credit card can be your best friend and your worst enemy! If you have a balance of $5000 compounded monthly at a rate of 24% how much will you owe at the end of 2 years if you pay nothing & they waive late fees

8. Last Problem: Words words words words words. There are 6000 ants and an ant killer spray is used. It continuously kills the ants at a rate of 12% per hour, how many ants left after 20 hour