Part 3: Solve the following simple interest problems.

Interest = Principal x rate x time or I = Prt

A = Principal (1 + rate x time) or A = P(1 +rt)

12. Susan invests $5000. She is getting 4% simple interest over 4 years. How much interest will Susan earn after 4 years? _____

13. How much money will Susan have after 4 years? _____

14. Larry invests $10,000 in stocks. The bank will give him 6% simple interest for 5 years. Larry decides to pull out his money in 3 years. How much money will he have? _____

15. Donna invests $500 for a one year period. At the end of the year, she earns $50 in interest. What was the interest rate on the principle amount? _____

16. Henry invests $5000 in a mutual fund with an annual interest of 7.5%. How much money will he have in one year? _____

17. How much interest does a $10,000 investment earn at 5.6% over 18 years? _____

18. How long would it take to have $7650 if your principal amount was $5000 with a 12% interest rate? Round your answer to one decimal place. _____