

## Beverly Hills High School -- Consumer Math -- Test #5 -- 75 points

Be neat and complete. Use a ruler! Measure divisions on graphs. Show your work and label everything that needs it. Partial credit for partial achievement. Three points each.

- 1) IRA stands for \_\_\_\_\_.
- 2) If a stockbroker buys stock for you, you pay him a fee called his \_\_\_\_\_.
- 3) A popular way of investing money in a bank is by putting \$1000 or more into a long-term account that earns better interest. We call these investments \_\_\_\_\_.
- 4) What is it called when you sell stock before you buy it, hoping it will go down? \_\_\_\_\_  
\_\_\_\_\_.
- 5) How does a stock option work? \_\_\_\_\_  
\_\_\_\_\_.
- 6) What's the difference between a regular IRA and a Roth IRA? \_\_\_\_\_  
\_\_\_\_\_.
- 7) Circle the type of retirement plan that an employee at a hospital or school would most likely have with his employer?  

IRA	Roth IRA	401k	403b
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- 8) Circle the thing that describes the situation where you wish to buy \$10,000 worth of stock but only have \$2,000. The stock broker allows you to do that and control the \$10,000 worth of stock until your investment starts to lose money.  

Buying a stock option	Buying on margin	Selling an option	Buying an annuity
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Calculation Section. Use that calculator, but check your work. Five points each.

- 9) You invest \$25,000 in a long-term savings account that pays you 7.25%. This results in giving you \$1.336389 for every dollar you invested over a four-year period. How much will your investment be worth after the four years?

- 10) You buy 400 shares of General Motors stock for \$52.50 a share on March 1st. Three months later, you sell the stock for \$58.45 a share. If the stock broker charges you \$80 to buy the stock and \$80 to sell the stock, how much net profit did you make?

Graphing Section. Be neat -- I mean it! USE THE RULER! Fifteen points on this one. **Label everything!**

- 11) Below is listed the monthly sales data for the 2015 Tesla Model S automobile. You are to create BOTH a bar chart and a line graph showing this data.

Jan	27	Apr	42	Jul	78	Oct	53
Feb	30	May	56	Aug	72	Nov	50
Mar	36	Jun	59	Sep	60	Dec	70



Using the population data on the back, answer the following questions. Two points each.

12) Which two South American countries have the lowest occurrence of AIDS?

\_\_\_\_\_

13) What is the projected population of the Dominican Republic in 2050? \_\_\_\_\_

14) Throughout Latin America and the Caribbean, which country has the longest time to wait before doubling their population?

\_\_\_\_\_

15) How many countries listed in the table have a population under one million? \_\_\_\_\_

16) Which country has the 5th largest projected population in 2025? \_\_\_\_\_

17) The Caribbean country with a birth rate of 17 per 1000 has a life expectancy of how long? \_\_\_\_\_

18) Which country has the greatest difference between its birth rate and its death rate?

\_\_\_\_\_

19) How many countries have a growth rate of at least 2.0%? \_\_\_\_\_

20) The Central American country with the lowest population is expected to gain how many people by the year 2050?

\_\_\_\_\_

21) How many countries have a death rate of no more than 5 per 1000 population? \_\_\_\_\_

Look at the pie chart at the right. It shows the percentage of sales of new cars in Ohio in 2014. Answer the following questions. 224,000 cars were sold in Ohio in all of 2014. Two points each.

22) How many Toyotas were sold?

**Automobile Sales, Ohio - 2014**

23) How many more Hondas were sold than Nissans?

24) If 15% of the others were VWs, how many VWs were sold?

