Name _____   Date _____
Real World Math   Period _____

Unit 7 Quiz 2 Review
TVM Solver & Stocks

Part I: Financial Application on the TI-83 Graphing Calculator
For questions 1-3, use the TVM Solver Application on the graphing calculator
(APPS→ 1→ 1) Be sure that you write down what you enter into the calculator.
Remember that the payments per year (p/y) and the compounds per year (c/y) will
both be 12 (and END should be highlighted).

Remember: If it is money that is leaving you, it is negative. If it is money you are
getting, it is positive. Press ALPHA ENTER to solve.

If necessary, round your final answers to the _nearest cent or tenth of a month or_
payment.

1. You bought a DVD/VCR Combination for $325 and paid with your credit
   card that has 18% interest each year. Each month you plan to make a $20
   payment.

N =
I% =
PV =
PMT =
FV =
P/Y =
C/Y =

   A) How many payments do you need to make?

   B) What is the total that you will pay?

2. You put $200 each month into a savings account that makes 8% interest for
   5 years. Assume you do start with $0 in the account.

N =
I% =
PV =
PMT =
FV =
P/Y =
C/Y =

   A) How much money is in the account at the end of
        5 years?

   B) How much money have you put in the bank over
        the 5 years?

   C) How much interest did you make?

1

3.   You find a house that costs $275,000. You plan to have a 30-year mortgage and find a bank that offers 4.5% interest.

N =
I% =
PV =
PMT =
FV =
P/Y =
C/Y =

A) What would your monthly payment be?

B) How much would you pay total for this house after 30 years?

C) How much interest did you pay total?

Part II: Stocks

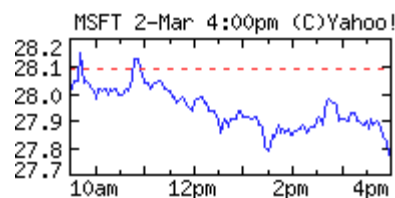Use the various stock charts & tables to answer questions 4-6.

4. Use the following company's summary chart to answer questions a-c:

MICROSOFT CP (NasdaqGS:MSFT) Delayed quote data   Edit

After Hours: **27.77** ↑0.01 (0.04%) as of 7:25pm ET on 03/02/07

Last Trade:	**27.76**	Day's Range:	27.76 - 28.16
Trade Time:	Mar 2	52wk Range:	21.46 - 31.48
Change:	↓0.33 (1.17%)	Volume:	63,256,423
Prev Close:	28.09	Avg Vol (3m):	63,728,400
Open:	28.02	Market Cap:	271.83B
Bid:	27.77 x 100	P/E (ttm):	23.73
Ask:	27.81 x 500	EPS (ttm):	1.17
1y Target Est:	33.50	Div & Yield:	0.40 (1.40%)

MSFT 2-Mar 4:00pm (C)Yahoo!

1d 5d 3m 6m 1y 2y 5y max

a.   What is the ticker symbol for Microsoft?

b. What was the lowest the stock has sold for in the past year?

c. Did the stock open today at more or less than it closed at yesterday? Explain.

5. The following chart includes values for 3 different **markets** of interest. Use the information to answer questions a-c:

FTSE 100	Dow Jones	NASDAQ
6,116.20	12,114.10	2,368.00
0.20 (0.00%)	-120.24 (-0.98%)	-36.21 (-1.51%)

a. What is the current value of NASDAQ?

b. Is this an increase or decrease from yesterday? By how much? (in terms of money & as a percent)

c. Which market(s) had a positive change from yesterday? Explain.

6. The last charts provide more in depth information on the Great Atlantic/Pacific Tea Company (GAP).

The Great Atlantic & Pacific Tea Company (GAP)
Last: **30.86** Change: **-.76** Day's High: **32.01** Day's Low: **30.68**
Previous Close: **31.62** Volume: **657,100**

Intraday | 5 day | 10 day | 1 month | 3 month | 6 month | Year to-date | **1 yr** | 3 yr | 5 yr | 10 yr

Price history - GAP (3/3/2006 - 3/2/2007)

Market Cap.	1.28 Bil
Total Shares Out.	41.51 Mil
Avg. Daily Volume	397,575
P/E	NA
Forward P/E	-45.70
Earnings/Share	-0.15
Return on Equity	-0.94
Current Dividend Yield	NA

30.86 ▼ -0.76 -2.40%

Previous Close	31.62	Bid	NA
Open	31.50	Bid Size	NA
High	32.01	Ask	NA
Low	30.68	Ask Size	NA
Volume	657,100	52 Week Range	20.67-37.02

a. What does the graph represent? What is the general trend in the price of this stock over the past year?

b. What was the lowest price over the past year and when did this price occur?

c. What was the highest price? Estimate when this occurred.

d. What was the range of prices today?

e. There are many terms on this chart that you probably do not know. This will happen since each internet site is different. What could you do in these cases?