

Period: _____

Name: _____

8.1-8.3 Worksheet

1. Kayla is purchasing a new fridge that costs \$6500. She has two different options to finance the purchase and she wants to **pay off the debt in a year** by making regular monthly payments. Which of the following options is the better deal, and what is the difference in amount owing?

Option A: Finance the purchase through the store at an interest rate of 10%, **compounded semi-monthly.**

Option B: Finance the purchase with a line of credit at an interest rate of 9.5%, **compounded weekly.**

2. Determine the **interest rate** of a \$9000 15-year simple interest investment if the future value of the investment is \$15500.
3. Determine the **future value** of quarterly deposits of \$850 into an account that pays 7.2% interest, compounded quarterly, for 25 years. (2 marks)

8. The stock information for TD Bank:

STOCK	HIGH	LOW	DIV	YLD%	P/E	VOL(1000s)	CLOSE	NetCHG
TD	66.99	67.11	1.64	----	----	2950	66.95	- 0.04

- a. What was the highest price that the stock sold for during the last 52 weeks? _____
- b. What was the lowest price the stock sold for during the last 52 weeks? _____
- c. What was the amount of dividend per share that the company paid last year? _____
- d. If you own 950 shares, how much in dividends did you make last year? _____
- e. How many shares were traded yesterday? _____
- f. What was the closing price of the stock yesterday? _____
- g. Find the P/E ratio, if the earnings per share are \$8.29
- h. What was the closing price of the stock the day before yesterday?
- i. Find the yield for TD Bank Stock.
- j. If you purchased 700 shares of TD Bank at the low price in the last 52 weeks and sold at the close price, what profit did you make? (omit dividends)

TURN OVER

9. An investor purchased 350 shares of stock for \$52.40 per share, and later sold them for \$56.50. The broker's commission was 1.9% on both the purchase and selling price. Find the amount the investor made or lost on the stock.