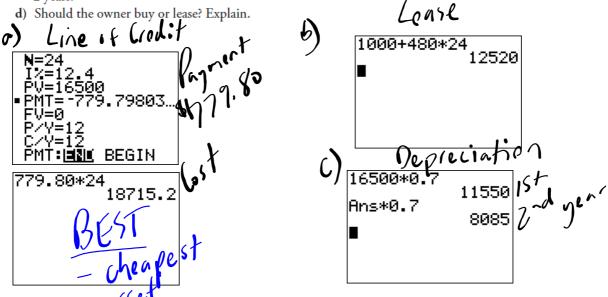
Untitled.notebook May 25, 2017

Questions from the homework...

- **8.** The cardio equipment at a fitness studio needs to be replaced. The cost of new equipment is \$16 500. The owner of the studio does not have enough cash to pay for it. She has two options:
 - Use a line of credit with an interest rate of 12.4%, compounded monthly.
 - Lease the equipment for 2 years, for \$1000 down and \$480 each month.
 - a) What is the cost of buying with a line of credit if the owner pays off the loan in 2 years?
 - b) What is the cost of leasing for 2 years?
 - c) The equipment depreciates at 30% per year. What is its value after 2 years?

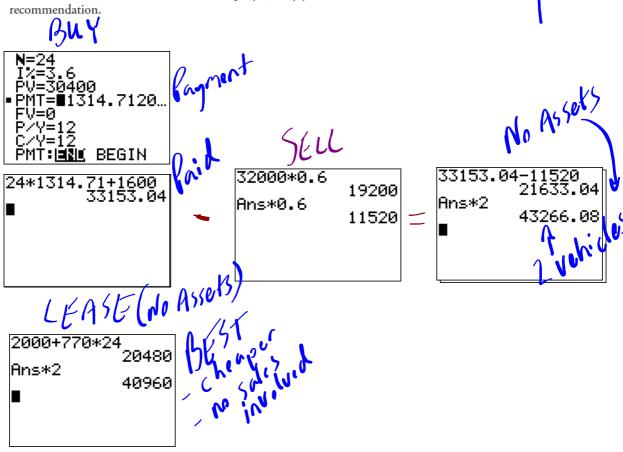


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RENT -> 70000

10. A company has spent \$70 000 for car rentals over 2 years. The company's financial officer wants to determine if the company should continue to rent or if it should buy or lease two vehicles instead.

- A new car costs \$32 000. A 5% down payment is required. The rest can be financed at 3.6%, compounded monthly, for 2 years. <u>Assume</u> depreciation of 40% a year and monthly payments.
- A 2-year lease for a car requires a down payment of \$2000 and monthly payments of \$770.
- a) Determine the costs of each option: renting, buying, and leasing.
- **b**) Recommend a course of action for the company. Justify your recommendation.



Ready for the test??? REVIEW Time...

Chapter 8: Investing Money

- mid chapter review p. 481
- chp review p. 507
- chp self test p. 506

Chapter 9: Borrowing Money

- mid chapter review p. 539
- chp review p. 573
- chp self test p. 572

Cumulative Review...Chp. 8/9 p. 576

Simple Interest

$$I = \operatorname{Pr} t$$

$$A = P + I$$

$$A = P + \operatorname{Pr} t$$

$$A = P(1 + rt)$$



Compound Interest

$$A = P \left(1 + \frac{r}{n} \right)^{nt}$$
$$I = A - P$$

Present Value

$$P = \frac{A}{\left(1 + \frac{r}{n}\right)^{nt}}$$

Rule of 72 and Rate of Return

Doubling Time =
$$\frac{72}{Rate}$$

$$ROR = \frac{\$ earn}{\$ invested} \times 100\%$$

TVM-Solver