Untitled.notebook January 10, 2018

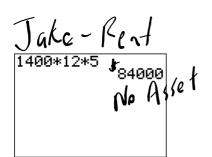
6. Jake and Archie are looking for places to live.

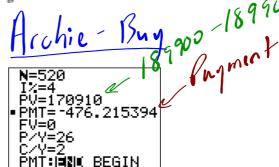
HOMEWORK Questions... 0.10 x /89900 • Jake decides to rent a house for \$1400 per month. Frament = 18990

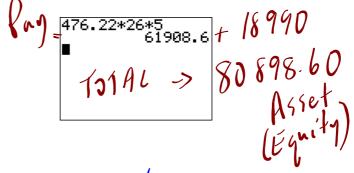
PMT: **EN** BEGIN

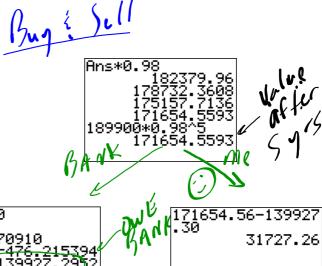
 Archie buys a house for \$189 900, with a down payment of 10%. The bank has offered Archie a 20-year mortgage for the remainder of the cost, at 4% compounded semi-annually, with payments every two weeks.

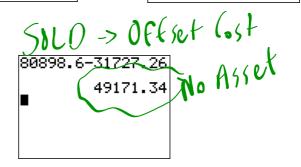
Jake and Archie both move after 5 years. Archie's house has depreciated by 2% per year. Compare Jake's and Archie's housing costs.











# 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**

$$P = A$$

### Rule of 72 and Rate of Return

Doubling Time = 
$$\frac{72}{Rate}$$
  
 $ROR = \frac{\$earn}{\$invested} \times 100\%$ 

#### **TVM-Solver**