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Math 1030 Taking Control of Your Finances

Take Control of Your Finances

- 1. Know your bank balance.
- 2. Know what you spend.
- 3. Don't impulse buy.
- 4. Make a budget.
- EX 1: Vern drinks three 6-packs of beer each week at a cost of \$7.00 each and spends \$700 per year on his textbooks. His beer expenses are what percent of his textbook expenses?

Master Budget Basics

Four-Step Budget:

1. List income.

- 2. List expenses.
- 3. Cash flow = Income Expenses.
- 4. Make adjustments.
- EX 2: Determine the cash flow for this person. Assume that salaries and wages are after taxes.

Income:	Expenses:	
Salary: \$32,000/year	House Pmt:	\$700/mo
Pottery sales: \$200/month	Groceries:	\$150/wk
	Home exp:	\$450/mo
total income:	Health ins .:	\$150/mo
32,000+12(200) =\$34,400	Car ins.:	\$500 semiannually
	Donations:	\$600/year
= 39,900	Misc:	\$800/mo

700(12) + 150(52) + 450(12)+ 150(12) + 500(2)+600+800(12)= \$34,600

=) cash flow: income - expenses = 34,400-34,600 = -\$200

EX 3: You currently drive 300 miles per week in a car that gets 15 mpg. You are considering buying a fuel-efficient car for \$12,000 (after trade-in) that gets 50 mpg. Insurance premiums are \$800 for the new car and \$600 for the old one. You anticipate spending \$1200 per year on repairs for the old car and having no repairs on the new one. Assume gas costs \$3.50 per gallon. Over a five-year period, what do you gain/lose by getting the new car?

new car?	<u>new car</u>			
<u>dd cav</u>	\$800 insurance			
<u>+</u> 600 insurance	\$0 repairs			
<u>+</u> 1200 repairs	<u>300 mil (1 gal) (43.50</u>) (<u>S2 uk</u>)			
<u></u>	wk (<u>50 mil) (43.50</u>) (<u>S2 uk</u>)			
= \$ 3640/yr gas	= \$1092/yr gas			
5-yr total :	S-yr total :			
(600 +1200 +3640)5	(800+1092)S+12,000			
= \$27,200	= \$21,460			
→ over 5 years, the new car will save 27,200-21,460 = \$5,740				

	High School	Associate's	Bachelor's	Professional
	only	degree	degree	degree
Women	\$21,113	\$39,286	\$49,108	\$80,718
Men	\$40,447	\$50,928	\$66,196	\$119,474

EX 4: The table above shows median annual earnings (in 2011) for women and men with various levels of education. Assuming the difference shown remains constant over a 40-year career, approximately how much less does a woman with a bachelor's degree earn than a woman with a professional degree?

difference: (annually) 80,718-49,108= \$31,610 40(31610) = \$1,264,400