Lesson 6.4 Designing a Budget
Goal: Interpret and create a monthly budget

- Income is the money you earn. Expenses are the money you spend.
- A BUDGET is an organized list that $\qquad$ income and expenses.
- Budgets are used as a tool in financial planning:
- To make sure you don't $\qquad$ spend more than you earn
- To help you understand exactly where your money is $\qquad$
- To help you focus your spending on the things that are most $\qquad$ imp to you
- To help you save to meet a financial $\qquad$
- Personal budgets are usually planned $\qquad$ Monthly amounts can then be multiplied by $\qquad$ to determine annual amounts.
- Income and expenses are recorded by type of income or expense. Money set aside for the future is called
 and is shown as an expense.
- The $\square$ balance of a budget is the difference between total expenses and total income.
- If the balance is negative you are spending $\qquad$ More than you earn. You need to adjust some expenses so that the balance is zero. This is called $\square$ balancing

Jamie's Monthly Expenses
Example 1 Interpreting a Budget
This pie chart shows Jamie's expenses for one month. The total dollar value of Jamie's monthly expenses wo $\$ 3000$.
a) How much did she spend on transportation?

$$
\$ 3000 \times 0.13
$$

$$
=\$ 390
$$


b) How much did she spend on her top two expenses combined? Housing and uhlines: $\$ 3000 \times 0.30=\$ 900$

Example 2 Designing a Budget
Anika needs to save $\$ 7500$ over the next 12 months to start her own small business. Her monthly income after payroll deductions is $\$ 3000$. She earns an average of $\$ 50$ a month from investments. She prepares the following list of her expenses.
a) Which costs are fixed? Which costs are variable? Label them on the list.
b) Convert all amounts to monthly amounts. ROUND all values to the nearest DOLLAR.
Rent: $\$ 850$
Elea: $\$ 75$
Phone, etc: $\$ 105$ Car: $\$ 420$ licence: $\frac{75}{12}=\$ 6.25$ Insurance: $\frac{\$ 420}{2}=\$ 210$ Gas: $\$ 150$
011: $\frac{30}{2}=\$ 10$
Repairs: $\frac{5450}{12}=37.5$

Anika's Expenses
Housing

- $\$ 850$ for rent each month, which includes heat and water Fixed
- an average of $\$ 75$ each month for electricity
- $\$ 105$ a month for a phone/ cable/internet bundle

Transportation

- monthly car payment of $\$ 420 \mathrm{~F}$
- annual vehicle licence fee of $\$ 75 F$
- $\$ 420$ for car insurance twice a year $F$
- \$150 a month for gas
- $\$ 30$ every three months for oil changes
- \$450 per year for maintenance and repairs $V$ Other
- $\$ 250$ for groceries
- $\$ 200$ for clothes and personal care $V$
- $\$ 100$ a week for restaurant meals $V$
- $\$ 20$ automatically deducted from her bark account for charitable donation

Groceries: $\$ 250$
Clothes ate: $\$ 200$ Restaurant 1: $\$ 100 \times 4$ $=\$ 400$
Charity: \$20
c) Are there expenses that you think Anima has forgotten to include? Explain. Estimate the monthly amount for any missing expenses.

- Fun (movies, etc).
- Memberships (gym)
- Books, school supplies
d) Create a monthly budget that shows fixed and variable expenses in each budget category. Group items where appropriate. Include any estimates from part c.
e) What percent of Anika's costs are fixed? Why is this important?
 ORgenses or earn More

