Name $\qquad$ Date $\qquad$

## Assignment 2-1

## Solve the following problems. Write answers in complete sentences.

1. Brianna needs to save $\$ 320$ for vacation. Brianna saved $\$ 20$ the first month and $\$ 120$ in the second month. How much more does Brianna need to save?

2. Dylan went for a 40-mile ride. After an hour, Dylan saw a sign that said he had 12 miles to go. How many miles did Dylan ride in the first hour?


## Build your own model.

3. Mr. Lamneck had a score of 82 in a recent round of golf. Mr. Lamneck had 45 shots on the first nine holes. How many shots did Mr. Lamneck have on the last nine holes?
4. The Algebra Concepts class wants to raise money for a field trip. They raised $\$ 20.25$ at lunch on Monday, $\$ 18.25$ on Tuesday, and $\$ 12.25$ on Wednesday. If their goal is to raise $\$ 80.00$ for the field trip, how much more do they need to raise?

## Find the value of $x$.

5. 


6.


## Review

7. Sketch the graph of the following function.

Zac wants to make money selling skate boards. Zac's profit is a function of the price he charges.
8. The first three figures are shown. Determine the number of tiles in the tenth figure.


