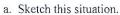
Modeling Functions--Working Backward to find Initial Value (Increasing Situations)

Big Idea: Initial value is where a situation began. We can use clues, like rate of change to work backward and find and initial value.

Tara is saving for college. She is putting \$60 a week in an account. After 8 weeks she has a total of \$756.



- b. What is the rate of change? \$60 per week
- c. How much did Tara start with in her account?

d. Write an equation to represent the relationship between the amount in the account, a, and the number of weeks, w:

$$a = 60w + 276$$

