

## Lesson 2.1 - Modeling Linear Functions

1. When babysitting, Alexis charges an hourly rate and an additional charge for gas. She uses the function  $A(h) = 15h + 3$  to determine how much to charge for babysitting.
  - a. What is the constant term of this function and what does it represent?
  - b. What is the hourly rate Alexis charges?
  - c. How much would Alexis earn if she babysat for 3 hours?
  
2. The amount of money a plumber charges is represented by the function  $p(h) = 35 + 115h$ .
  - a. What is the constant term of this function and what does it represent?
  - b. What is the hourly rate the plumber charges?
  - c. How much would the plumber earn if she worked for 5 hours?