

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 10: Linear Models

### Exit Ticket

Suppose that a cell phone monthly rate plan costs the user 5 cents per minute beyond a fixed monthly fee of \$20. This implies that the relationship between monthly cost and monthly number of minutes is linear.

1. Write an equation in words that relates total monthly cost to monthly minutes used. Explain how you found your answer.
2. Write an equation in symbols that relates the total month cost ( $y$ ) to monthly minutes used ( $x$ ).
3. What would be the cost for a month in which 182 minutes were used? Express your answer in words in the context of this problem.