

Name _____ Period _____ Date _____

Linear Equations and Linear Systems in the Real World

Consider the tables below and answer the questions.

Jose's Savings Plan

# of Months Saving	Balance
1	\$60
3	\$80
5	\$100
7	\$120
9	\$140



Marcus's Savings Plan

# of Months Saving	Balance
1	\$15
3	\$45
5	\$75
7	\$105
9	\$135

Samantha's Savings Plan

# of Months Saving	Balance
1	\$80
3	\$90
5	\$100
7	\$110
9	\$120

- How much money with Jose have saved in 11 months? 13 months?
- How much money will Marcus have saved after 2 months? 4 months?
- In how many months will Samantha have saved \$130? \$190?
- What is the rate of change? What does it mean in the context of the problem?
- How can knowing the rate of change help you in answering questions in this problem?
- What is the y-intercept? What does it mean in the context of the problem? Where do you find the y-intercept on each table?