014/00/0				
CW 3.3.3	CI	N:	3 3	. 3

Name

Real-Life Situation 1:

Marty saves \$10 a week. In 8 weeks he has \$92.

Independent Variable (x): # of weeks

Dependent Variable (y): \$ saved

Slope/Rate of Change: \$10/week

Write an ordered pair (x, y) from the situation above.

How much money did Marty start with (y-intercept)? 9.10=80; 92-80=12 Shi started with the court

Write an equation to represent the situation.

Real-Life Situation 3:

Lori started a diet in which she was lost 2 pounds per week. On the 12th week of her diet she weighed 185 pounds.

Independent Variable (x): # of weeks

Dependent Variable (y): # of pounds

Slope/Rate of Change: $\frac{-2}{l}$ -2 lbs/week

Write an ordered pair (x, y) from the situation above.

How much did Lori weigh at the start of her diet (y-intercept)? 12(-2) = -24 185 - 24 = 185 + 24 = 24

Write an equation to represent the situation. 5h. weight 209 lbs

Real-Life Situation 2:

The temperature is increasing 3° per hour. 4 hours after you wake up the temperature is 10°.

Independent Variable (x): #of hours

Dependent Variable (y): temperature

Slope/Rate of Change: 3/hour

Write an ordered pair (x, y) from the situation above.

What was the temperature when you woke up (y-intercept)? 4.3 = 12

Write an equation to represent the situation.

y=3x+-2

Real-Life Situation 4:

When June babysits he makes \$5 an hour. After babysitting the Smith's for 4 hours he has \$37.

What is the slope? 5/1

Explain what it means in context of the problem.

He makes \$15 per hour

Write an ordered pair from the situation above.

Explain what it means in context of the problem.

Babysitting 4 hours gives him \$37.

What is the y-intercept?

4.5=20 37-20=17

Explain what it means in context of the problem.

He started with \$17.

Write an equation to represent the situation. $\forall = 5 \times +17$