CW: 3.3.9	Name:	Hr:
1. Susanne saves \$14 per week. In 5 weeks, she has \$120.		
a. Identify the independent variable. (x) $\#$ of weeks		
b. Identify the dependent variable. (y	) & save	d
c. Write an equation, in slope-interest $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$ $0 = 14$	(5) +b 10 +b 70	y=14x+50
d. Use your equation to determine hafter 104 weeks (2 years).	ow much money Sus y = 14x + 50 y = 14(104) + 1 y = 1450 + 1	
e. Use your equation above to determ Susanne to save \$218.		eeks it will take

- 2. On average, your parents drive 1500 miles per month. After owning the car for 7 months, the car has 10,750 miles on it.
- a. Identify the independent variable. (x) # of months
- b. Identify the dependent variable. (y) # of miles

d. Use your equation to determine the <u>number of miles</u> that will be on the car if your parents drive the car for 60 months (5 years). y=1500(00)+250

=  $q_{01000}+250$  $y=q_{01000}+250$  e. Use your equation to determine the <u>number of months</u> that your parents have been driving the car if it has 18,250 miles on it. 18,250 = 1500