•	Interpolation	0		olanon	_	02 \ 32	- 1128
	The x value	75	The x	value 15 de the de	_	ust 2.1	9 7.6
inear Rela	tionships Inside the	duta.		Name:		1 -	
: :	sex:		sex.	Date: -	Po	1 17	2
1. Ac	quart (32 ounces) of milk co	sts \$2.19; a gal	lon of milk co	sts \$7.69. (**The	ere are four	quarts in a ga	allon)
	a. Identify the independe			1 6 4 4	1 77	. 4	
				(OE, W	254	1.5	
2 4	b. Write the linear equat	D. C	D27. "	17411	scoot af	over Exign	X ture: Xu
	b. Write the linear equat	ion for this rela	itionship. (32,2.19)(128	7.64	
NON	y=.06x+.	3600	ofgoral y	m and	1 - (P.	0)	14
	c. What is the meaning o	f the slope?	Chrices	Sales .	4001		
· W	1= .06 + cost TI	ne cost of	f milk	ncreuses	mO'00	per UZ	
	1 4 02	D		+/-00	m	- I-	ــــــ بـــــــ بالم
	1 602	3			E		
			1.8. 107 182	and whom sit!	0.73		2.7.5
	d. What is the meaning of	f the y-intercep	t? Why isn't it	zeror &	0.36		_
(((36) Zero	90.50	willow	2007	Sirk Our	ca. julator	do - scos
X	I A I I I I I I I I I I I I I I I I I I			. Va	6402	west fill	ite forth
07	e. Using the linear model	you created by	w much shou	ld you pay for a	half-galion	of Inilk?	4.0-4
	How much should you	you createu, iid	6 ources)?	11.27			
	How much should you	pay for a pilit ()	rs (1 liter=33.8	ounces)?	4.23		
	110W IIIden Shedid year	67.6		ough 153 that E			
	4=.06(67.6)+	3	-				
	ALL US	· · · · · · · · · · · · · · · · · · ·	ea vans d'in b	minus en estado	115 15	a restiry -	กำระ ร่วก
Self of Late	y = \$4.42 f. How many ounces of m	This Still state	L CAE 422 /	212 1 1	5.43		
(1)	f. How many ounces of m	ilk can I buy wit	n 515.45r	765.	9174 .	1	
			9				
	263.103		diasnonasa	e Whomas and		100	
		•				्रिक्षेत्राच क्व ¹ वः	
2. Heft	Raleigh on Thursday at 4:00	and drove to	Wilmington, a	distance of 160	miles, arrivi	ng at 6:45. N	ext Friday
i'm l	eaving at 2:30 to make the 2	210 mile drive t	o Boone.	X16 741	2		1 1 1 1 1 1
	a. If I sketch a graph for thi	is data, what go	es on the x-ax	is and y-axis?	0,01	(2.75)	160)
T: 4	me Didiotance	Microst Light	45min	160 min	75		
t	. What is my driving rate?	Write this as a	linear equation	n.	,		
	What is the y-intercept (now far have I	drive in 0 hour	s)?	•		/
·	y=58.2 x +	0 56.	5 war	mag 70 m	307	. 6 (60)=36
C	. How long will it take me	to get to Boone	7 4=210	(3.6, 2	10-1		
Harristan	What time will I get there	?; on one then	15 3 3 3	3hours ?3	2 Cmin		1 0 5 C 1 Suc
	6:06	En e e	*	3hours ??	2.6.un.)	Contract	ישוני ביניי
		•			7700		
d	. How long would it take to	drive 542 mile	es?				
	9.3 hors	*					

e. If I start driving at 8:00am on Saturday and drive until 12:40pm, how far will I have traveled?

Extrapolation Mr Morton is very old. In 1992, he was born weighing 9 pounds. Now he weighs 200 pounds. Determine the independent and dependent variables. I'year D: # of Dornas 4=7.1x+9 When Mr. Morton was born he weighted c. Why isn't the y-intercept zero? What does the y-intercept mean? Kine gounds d. Using the model, how much do you think he'll weigh in 2022? Is this realistic? 221.2 pands How much does he weigh in 1988? Explain Conton sign -19.3 - Extrapolation Miss Beehive has produced 520 pounds of honey from her bees. She uses 2 pounds of honey in every jar she sells at the Farmer's Market. a. How many pounds will she have remaining if she sells 5 jars? 42 jars? b. The relationship between pounds of honey remaining and number of jars sold is linear. What is independent variable? Dependent? I: # of jors, sold "D" # of poinds of honey lest c. Write a linear equation for this relationship. 1 = -2x+52C What is the meaning of the slope and the y-intercept? At the Degintaly honey e. She needs to keep 82 pounds in reserve in order to keep the bees happy. What is the greatest number 219 jors. of jars she can sell? The # of pands of honey decreases 2 pands
per jor sold. 5. If $C = \frac{5}{9}(F - 32)$ relates the temperatures in Fahrenheit and Celsius. Find the Fahrenheit temperature which corresponds to 30°C.

0

anod S.11