TATS 2C 2.2

take Scatter Plots for the following tables I graph paper Use a straight edge.

MULTIPLE REPRESENTATIONS The table shows the number of U.S. households with personal computers (PCs) from 1994 to 2002.

households with pe	ersonar	Compar	CIS (I C	0, 110						
Vear	1994	1995	1996	1997	1998	1999	2000	2001	2002	100 A
Households with PCs (millions)	32.0	33.6	38.8	44.0	51.2	61.1	66.0	69.1	72.7	ACCOUNT OF THE PARTY.
FC3 (IIIIIIII)			£							

ALLIGATORS The table shows the weights of two alligators at various times during a feeding trial. Make two scatter plots, one for each alligator, where x is the number of weeks and y is the weight of the alligator. Draw. lines of fit for both scatter plots. Compare the approximate growth rates.

414	ATTES OF ITE 101 BOTH Scatter pro-							·
1	THE OFFICE	0	. 9	18	27	34	43	49
į	Weeks		8.6	10	13.6	15	17.2	19.8
	Alligator 1 weight (pounds)		9.2	12.8	13.6	20.2	21.4	24.3
	Alligator 2 weight (pounds)			1	<u> </u>	l		31

GEOLOGY The table shows the duration of several eruptions of the geyser Old Faithful and the interval between eruptions. Write an equation that models the interval as a function of an eruption's duration.

	Hedgesonic mirch on an								
í	Duration (minutes)	15	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-				GE	71	76	82	89	95
	Interval (minutes)	50	5/	05		1		J	L1

FARMING The table shows the living space recommended for pigs of certain weights.

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ſ	Weight (pounds)	40	60	80	100	120	150	230	
-	A THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, TH	2.5	3	3.5	4	5	6	8	
1	Area (square feet)	2.5			<u> </u>	l	<u> </u>		

(over)

Make a time series cleart for each of the following. Use a straightedget graph paper.

(b)

TELEVISION STATIONS The table shows the number of UHF and VHF broadcast television stations each year from 1996 to 2002.

Year	1996	1997	1998	1999	2000	2001	2002
Television stations	1551	1563	1583	1616	1730	1686	1714

b

DAYLIGHT The table shows the number of hours and minutes of daylight in Baltimore, Maryland, for ten days in January.

Day in January	5	6	7	8	9	10	11	12	13	14
Daylight (hours and minutes)	9:30	9:31	9:32	9:34	9:35	9:36	9:37	9:38	9:40	9:41

(7)

BIRD POPULATIONS The table shows the number of active red-cockaded woodpecker clusters in a part of the De Soto National Forest in Mississippi. Write an equation that models the number of active clusters as a function of the number of years since 1990.

Year	1992	1993	1994	1995	1996	1997	1998	1999	2000
Active clusters	- 22	24	27	27	34	40	42	45	51

(3)

CHALLENGE The table shows the estimated amount of time and the estimated amount of money the average person in the U.S. spent on the Internet each year from 1999 to 2005.

Year	1999	2000	2001	2002	2003	2004	2005
Intornot timo					160	107	103
(hours)							
Internet spending (dollars)	40.55	49.64	68.70	84.73	97.76	110.46	122.67