Always label your axes

AP Statistics Unit 3: Linear Regression Chapters 7-10

		19	20	21
Go Over Tests Tootsie Pop Challenge	7.1 Tootsie Pop Conclusions HW: Vocabulary	7.2 Describing Bivariate Data HW: p 164 (3-6)		7.3 Correlation
	from Chapter 7			(11,12,15,16)
24	25	26	27	28
7.5 Lurking Variables HW: p167 (23-28)	8.1 Residuals HW: p192-3 (3,4,12,13)	8.2 Monopoly Lab HW: p 193(15-18, 27, 28,)		9.1 Cheerios Lal HW: p193 (20-22)
1	2	3	4	5
9.2 Finish Cheerios Lab HW: p 239 (5,6)	10.1 Computer Output HW: worksheet	10.2 Barbie Lab NO HOMEWORK POWDER PUFF		10.3 Practice Problems NO Homework
8 10.4 FR Review HW: p 250 (29-31)	9 10.5 MC Review	10 10.6 Un	11 it 3 Test	12

Phrases to know

r—"There is a <u>positive/negative</u>, <u>weak/moderate/strong</u> linear association between <u>explanatory variable</u> and <u>response variable</u>."

 R^2 —"____ percent of the variation in the <u>response variable</u> can be explained by the approximate linear relationship with the <u>explanatory variable</u>."

Slope—"For every 1 <u>x-unit</u> increase in the <u>explanatory variable</u>, our model predicts an average <u>increase/decrease</u> of <u>y unit</u> in the <u>response variable</u>."

y-intercept—"At an <u>explanatory variable</u> of zero <u>x-units</u>, our model predicts a <u>response variable</u> of <u>y-units</u>." (does this make any sense?)

HELPFUL EQUATIONS



$$b_1 = \frac{rs_y}{s_x}$$







** his whole series seems pretty helpful**



