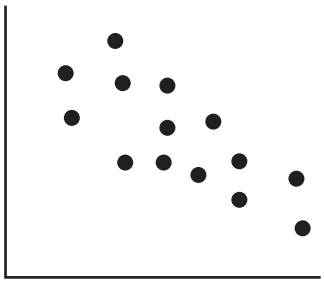
Name _____ Class _____ Date _____

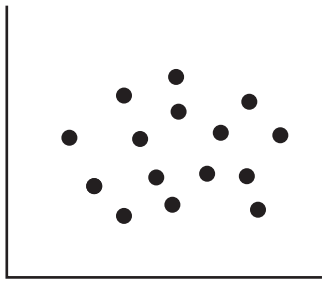
Analyzing Scatter Plots

Tell whether the variables in each scatter plot are positively correlated, negatively correlated, or unrelated.

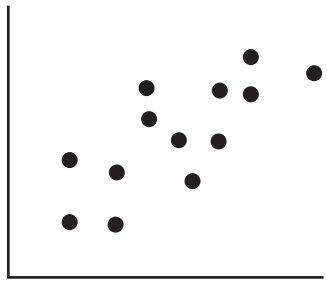
1. _____



2. _____



3. _____



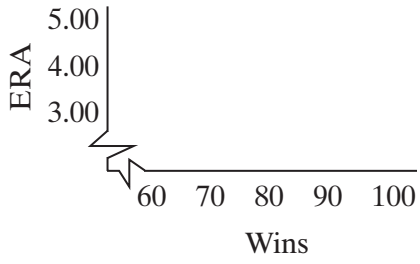
Tell whether each pair of quantities is positively correlated, negatively correlated, or not related.

4. traffic volume and commuting time _____
5. average outside temperature and amount of fuel used to heat a house _____
6. hat size and average of math test scores _____

The table below lists combined earned run average (ERA) for each team's pitching staff in 2002 and the number of games each team won during the year.

Team	ERA	Wins	Team	ERA	Wins
Anaheim	3.69	99	Montreal	3.97	83
Arizona	3.92	98	Philadelphia	4.17	80
Boston	3.75	93	St. Louis	3.70	97
Chicago	4.55	81	Seattle	4.07	93
Cleveland	4.91	74	Tampa Bay	5.21	62
Houston	4.00	84	Texas	5.15	72

7a. Make a scatter plot of the data in the table above.



b. Are the variables in your scatter plot positively correlated, negatively correlated, or unrelated? _____