

Name: _____

Date: _____

Two variables plotted as points. Look for direction (positive/negative), form (linear?), and strength. Last two are challenge problems!

- 1.** Points rise to the right. Correlation direction?

show your work

- 2.** Points fall to the right. Direction?

show your work

- 3.** Points form no pattern (a cloud). Correlation?

show your work

- 4.** Hours studied vs test score usually shows what direction?

show your work

5. Outside temperature vs heating bill: direction?

show your work

6. A tight, straight band of points means the correlation is ____?

show your work

7. Does a strong correlation between ice cream sales and drownings mean one CAUSES the other?

show your work

8. Points loosely scattered around an upward line: describe direction and strength.

show your work

- 9.** Shoe size vs reading level in kids is strongly positive. What hidden variable explains it? ★ CHALLENGE

show your work

- 10.** A scatter plot curves upward steeply (not a line). Is a LINEAR model appropriate? What might fit better? ★ CHALLENGE

show your work