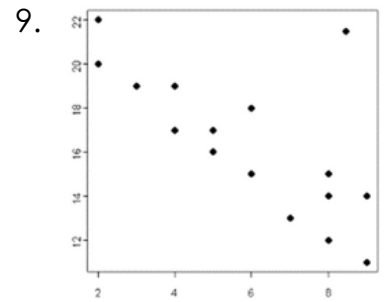
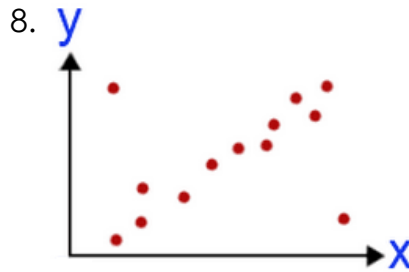
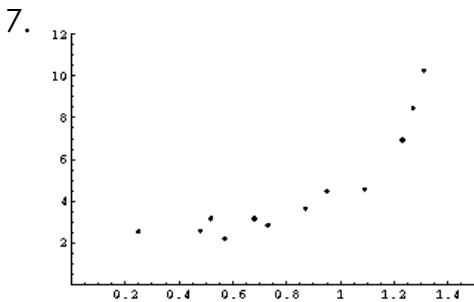
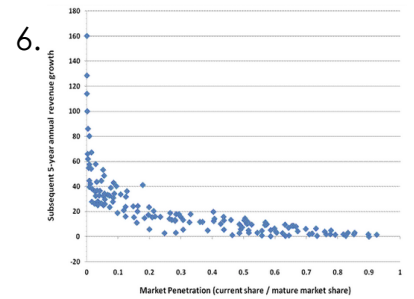
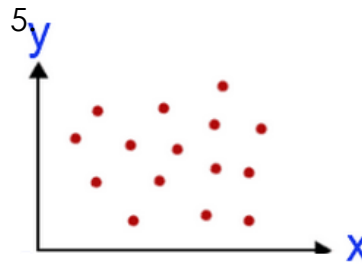
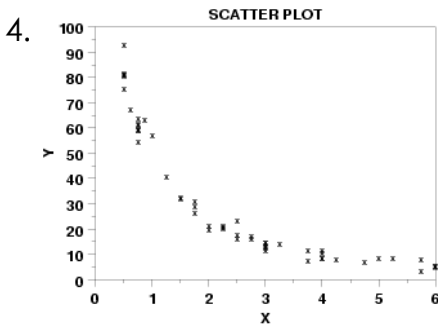
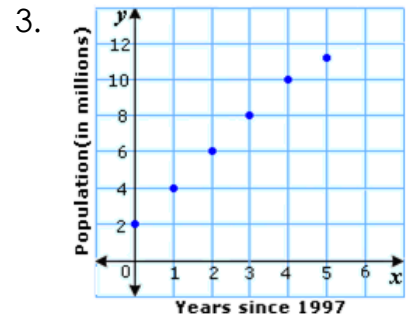
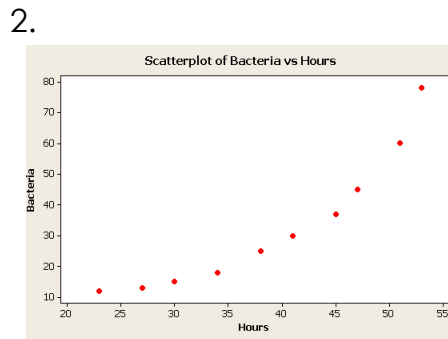
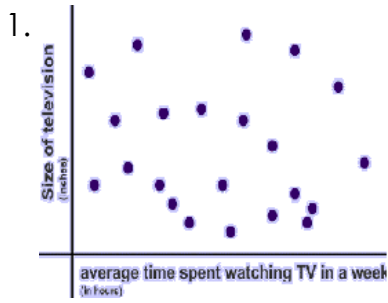


18.4a Correlation & Causation of Scatterplots

Identify the following scatter plots as a linear positive, linear negative, exponential growth, exponential decay, or no correlation. If there is a correlation, circle any outliers.



For each of the following situations, decide whether or not there is a **correlation** and whether it is a **positive or negative** correlation. Examine the factors and decide if there is enough evidence to state that there is **causation** as well.

10. Your height and your shoe size

- a) Correlation? Yes or No b) Positive, Negative or N/A c) Causation? Yes or No

11. The points a student earns in class and their final grade.

- a) Correlation? Yes or No b) Positive, Negative or N/A c) Causation? Yes or No

12. The amount of money you spend and the amount of money left in your wallet (you carry cash only).

- a) Correlation? Yes or No b) Positive, Negative or N/A c) Causation? Yes or No

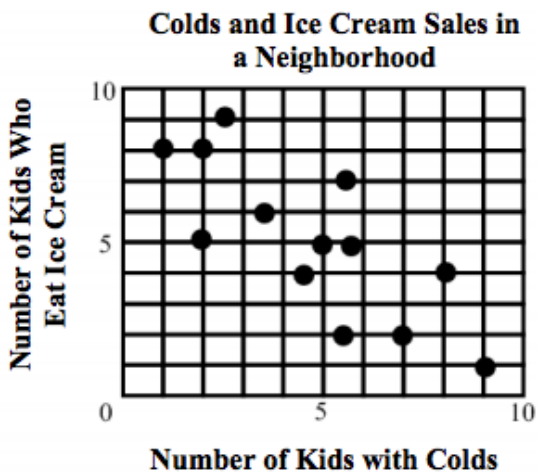
13. The number of cavities you have and your math test score.

- a) Correlation? Yes or No b) Positive, Negative or N/A c) Causation? Yes or No

14. The age of a car and its resale price

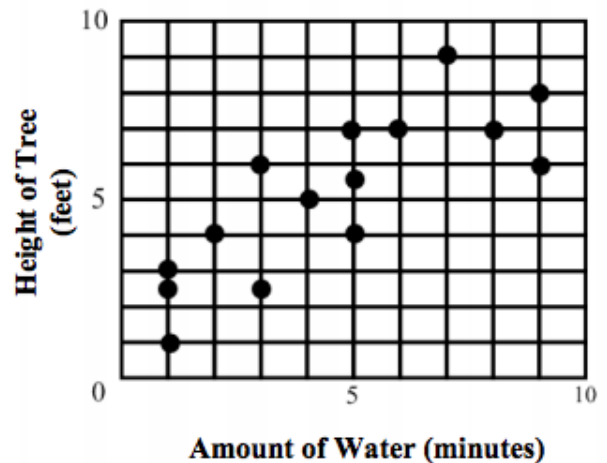
- a) Correlation? Yes or No b) Positive, Negative or N/A c) Causation? Yes or No

15.



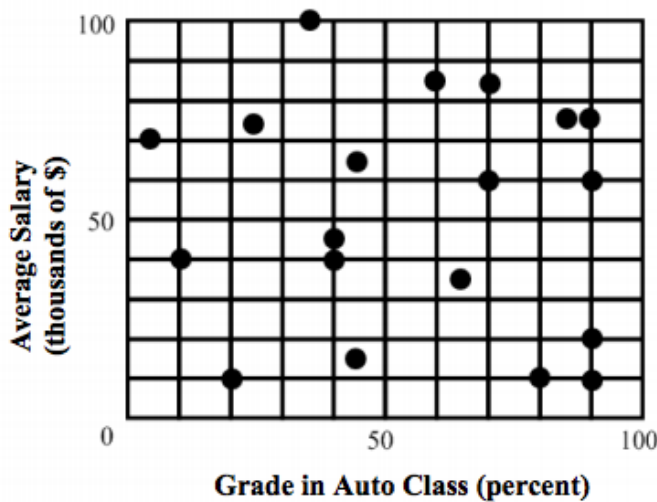
- a) Correlation? Yes or No
 b) Positive, Negative or N/A
 c) Causation? Yes or No

16.



- a) Correlation? Yes or No
 b) Positive, Negative or N/A
 c) Causation? Yes or No

17.



- a) Correlation? Yes or No
 b) Positive, Negative or N/A
 c) Causation? Yes or No