

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Extra Practice (1.7)

Determine whether a scatter plot of the data of the following might show a *positive, negative, or no relationship*. (lesson 1.7)

1) a person's jogging speed and time spent jogging

2) time spent playing video games and time spend on outdoor activity

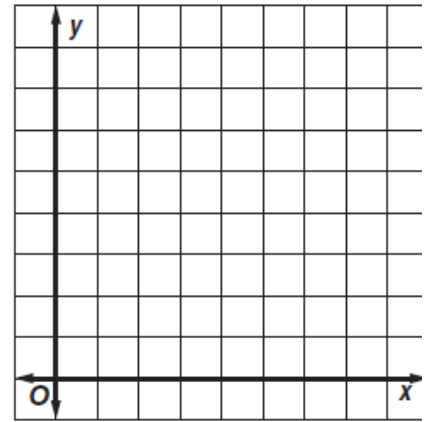
3) the size of a car and the cost

4) the size of a family and the weekly grocery bill

5) time spent relaxing and blood pressure levels

6) age of a child and number of siblings

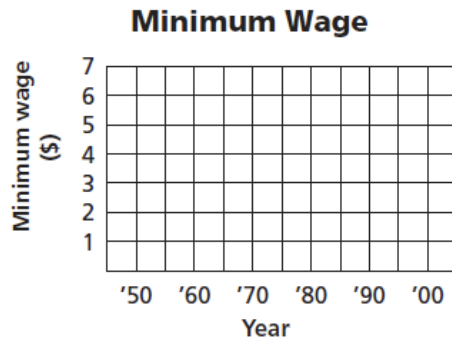
5) Draw a scatter plot with eight ordered pairs that shows a positive relationship.



For numbers 6-8, use the table below, which shows the federal minimum wage rates from 1950 to 2000.

6) Make a scatter plot of the data

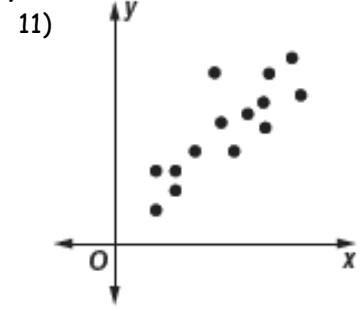
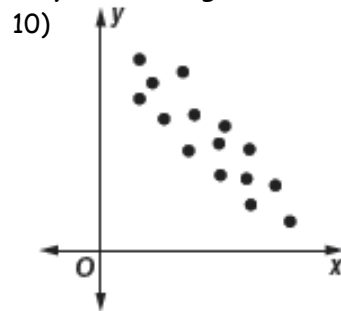
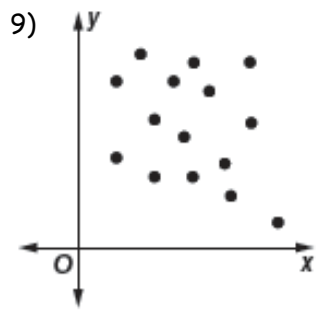
Year	Minimum Wage
1950	\$0.75
1955	\$0.75
1960	\$1.00
1965	\$1.25
1970	\$1.60
1975	\$2.10
1980	\$3.10
1985	\$3.35
1990	\$3.80
1995	\$4.25
2000	\$5.15



7) Does there appear to be a relationship between year and salary? Explain.

8) Based on the graph, predict what the median salary was for the year 2000.

Tell whether each scatter plot shows a *positive*, *negative*, or *no relationship*.



The table below shows the fat grams and calories for several snack foods.

Food	Fat grams per serving	Calories per serving
doughnut	13	306
corn chips	13	200
pudding	3	150
cake	13	230
snack crackers	6	140
ice cream (light)	5	130
yogurt	2	70
cheese pizza	18	410

12) Make a scatter plot of the data in the table.

