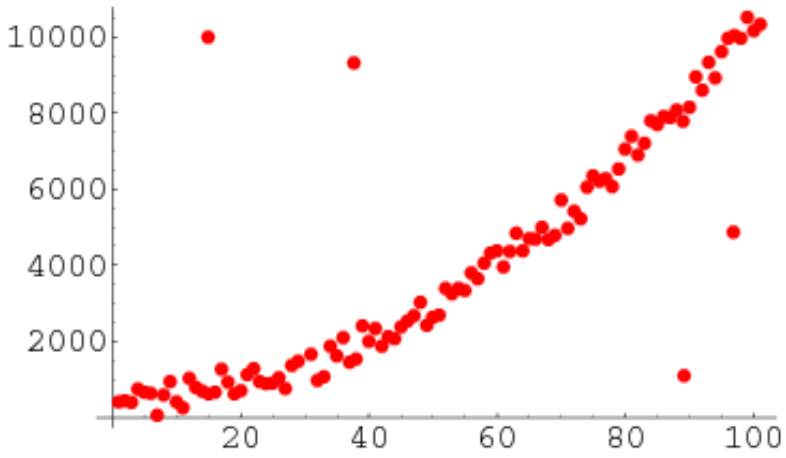
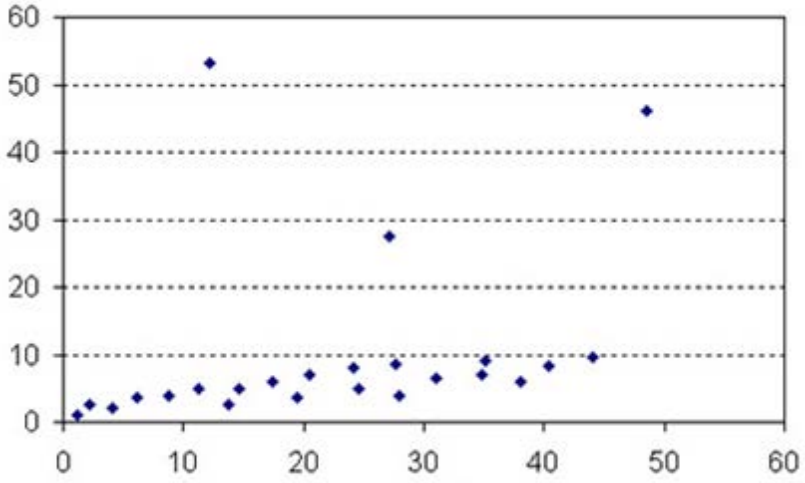
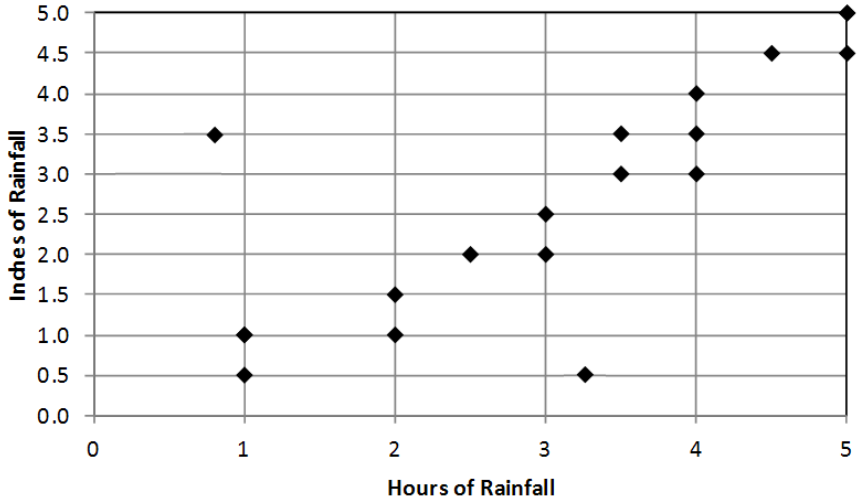
Worksheet 1: Generalization (Concepts and Symbols)

Circle all of the outliers on each of the scatterplots below:







 Month	 Total Rainfall (Inches)	 Average High Temperature
March 	1	65°
April 	2	68°
May 	1	75°
June 	2	77°
July 	2	80°
August 	8	84°

How many total inches of rain fell in April? _____

What was the average high temperature in March? _____

How many total inches of rain fell in June? _____

What was the average high temperature in August? _____

How many total inches of rain fell in May? _____

What was the average high temperature in July? _____

Worksheet 2: Generalization (HS Grade Aligned Component)

Find the range of the data for total rainfall:

_____ highest value - _____ lowest value = _____ range

Find the average (mean) of the data for total rainfall:

List values and add here:

+

_____ sum / _____ number of values = _____ average

Month	Total Rainfall (Inches)	Average High Temperature
March	1	65°
April	2	68°
May	1	75°
June	2	77°
July	2	77°
August	8	84°

Are there any outliers for the total rainfall data?

No Yes If yes, what is the outlier?_____

What is the mode of the data for total rainfall:

_____

Mode

What is the median of the data for total rainfall during summer (blue):

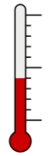
_____

Median

Find the range of the data for average high temperature:

_____ highest value - _____ lowest value = _____ range

Find the average (mean) of the data for average high temperature:

 Month	 Total Rainfall (Inches)	 Average High Temperature
March 	1	65°
April 	2	68°
May 	1	75°
June 	2	77°
July 	2	77°
August 	8	84°

Are there any outliers for the average high temperature?

No Yes If yes, what is the outlier?_____

_____ / _____ = _____
sum number of values average

What is the mode of the data for average high temperature:

_____

Mode

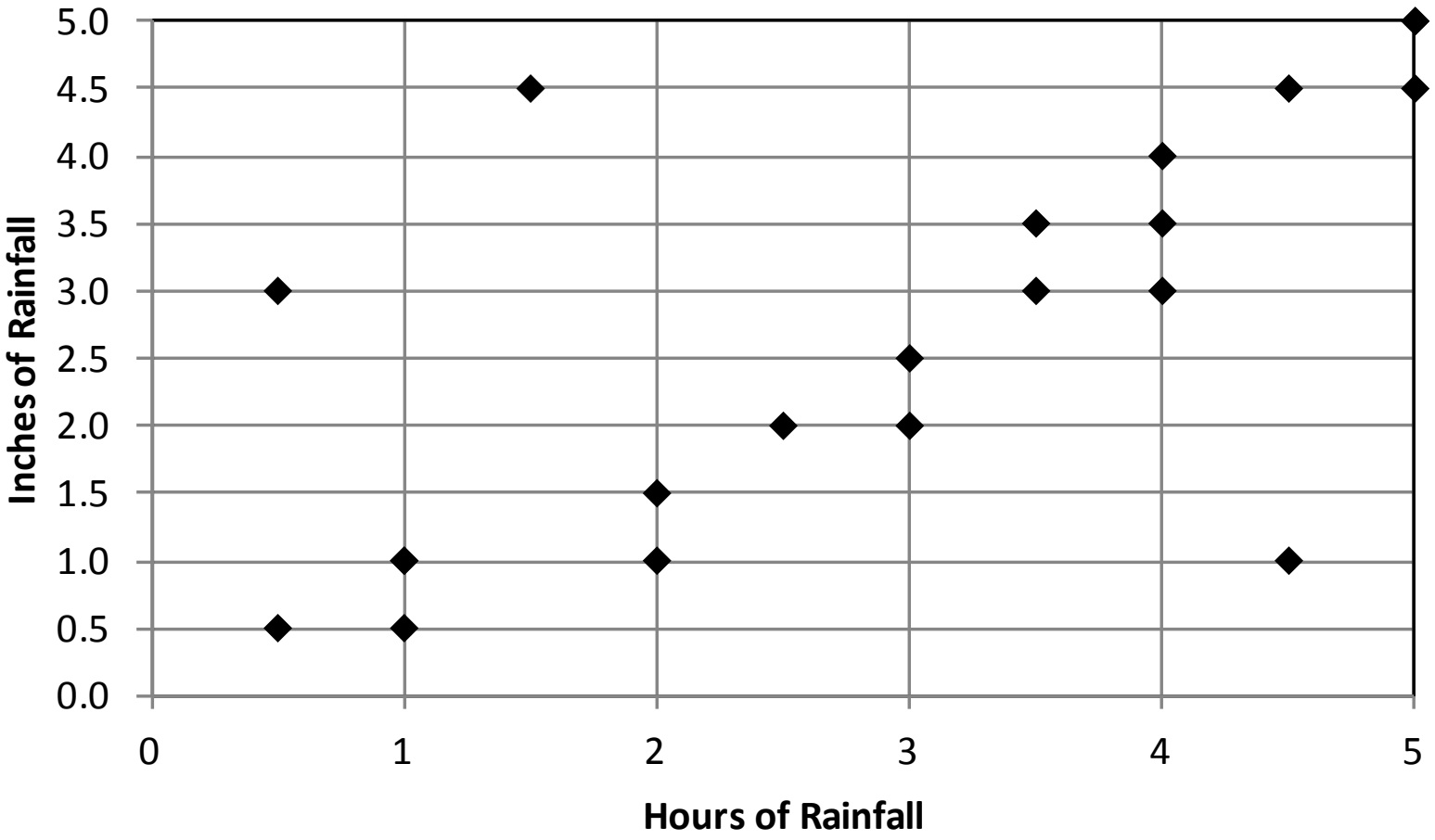
What is the median of the data for average high temperature for spring (green):

_____

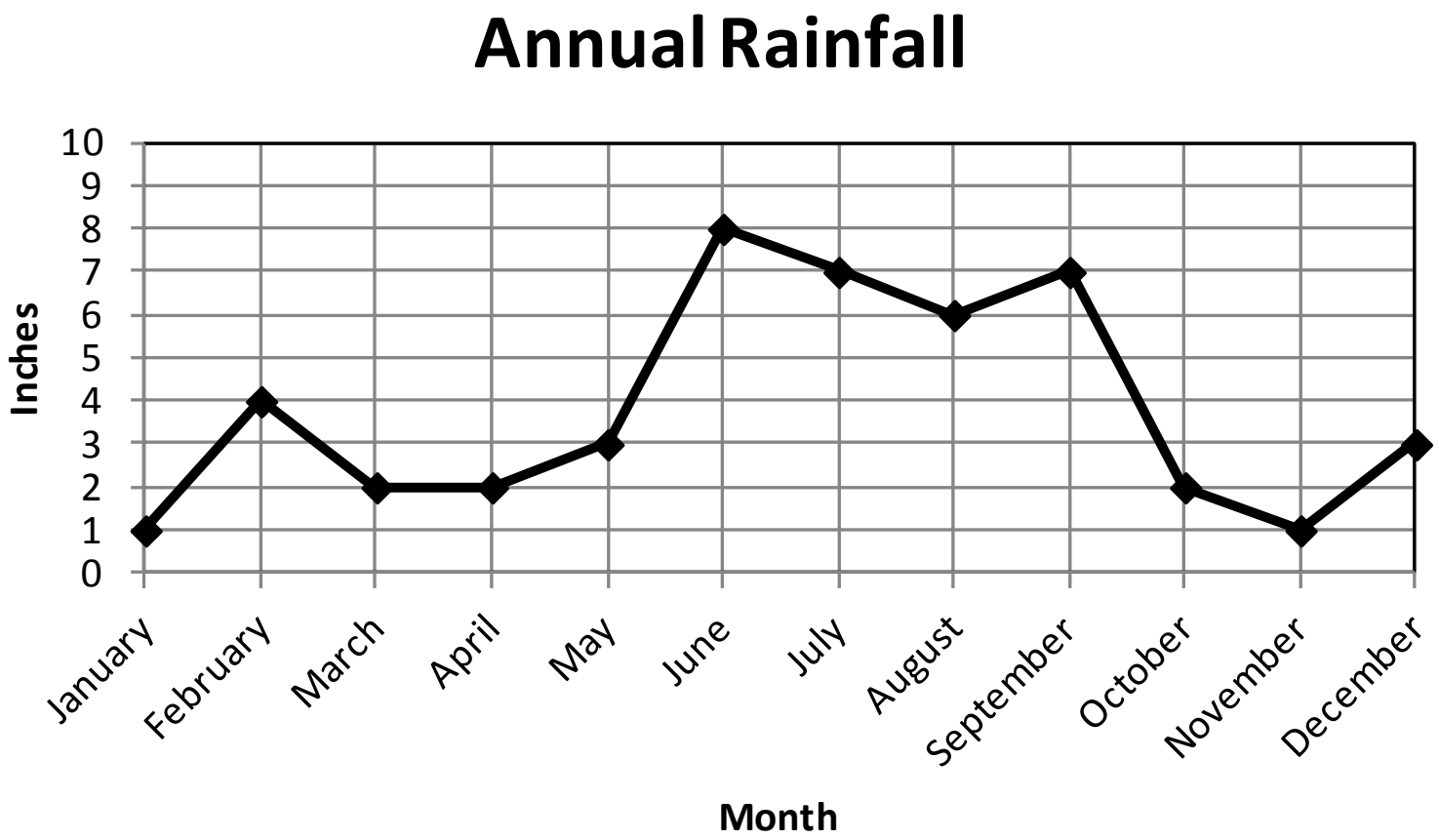
Median

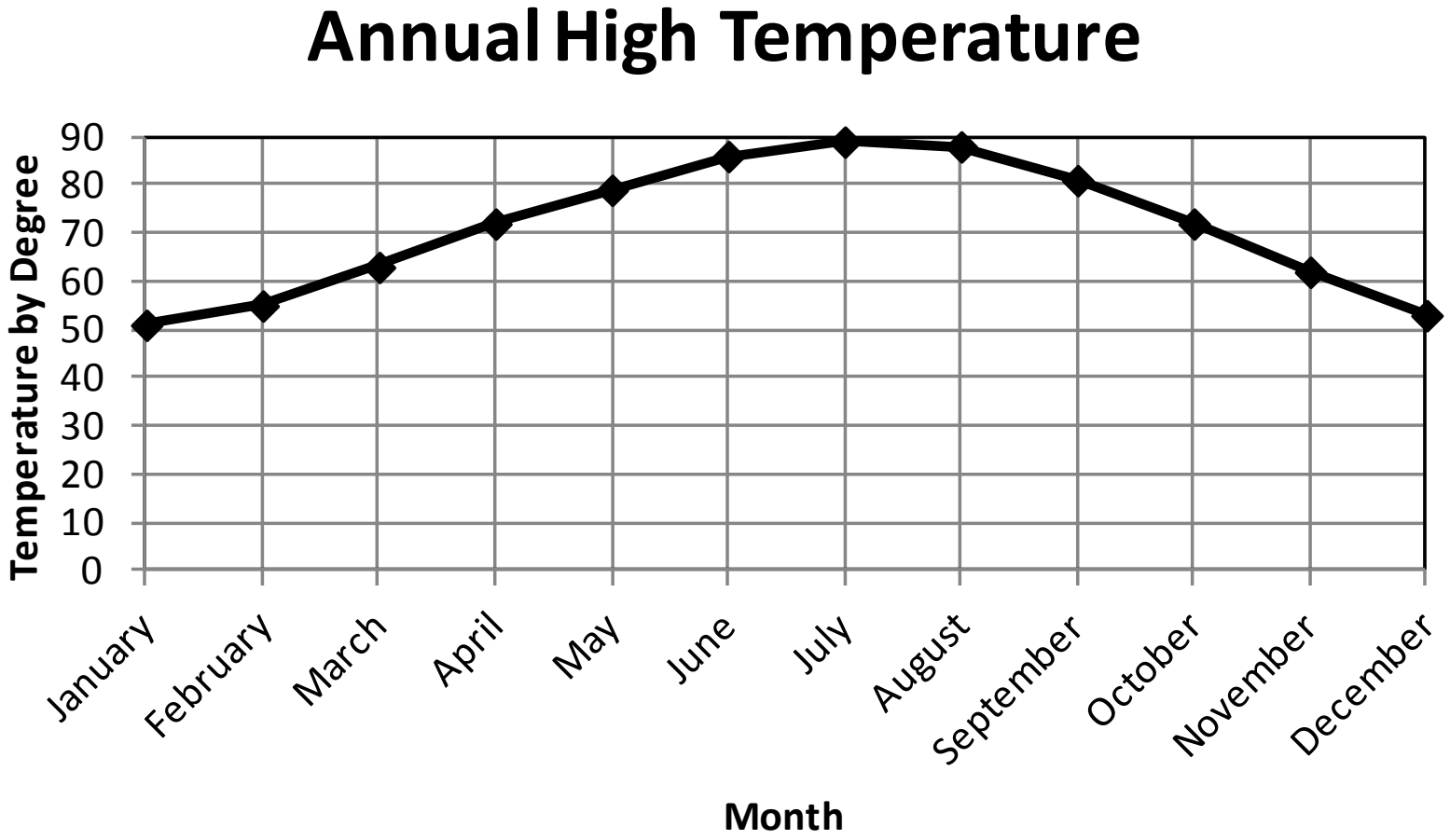
Materials:

Rainfall scatterplot



Month	Total Rainfall (Inches)	Average High Temperature
January	1	51°
February	4	55°
March	2	63°
April	2	72°
May	3	79°
June	8	86°
July	7	89°
August	6	88°
September	7	81°
October	2	72°
November	1	62°
December	3	53°

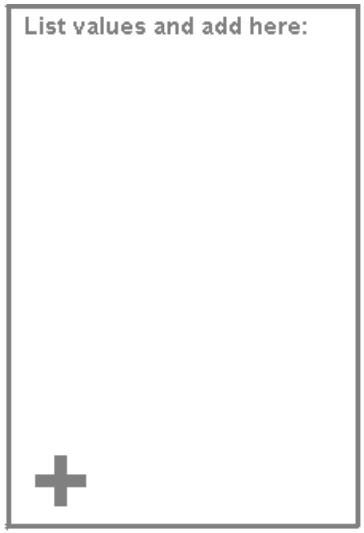

Annual Rainfall
Inches
10
9
8
7
6
5
4
3
2
1
0
January
February
March
April
May
June
July
August
September
October
November
December
Month


Annual High Temperature
Temperature by Degree
90
80
70
60
50
40
30
20
10
0
January
February
March
April
May
June
July
August
September
October
November
December
Month

Equation for Range:

_____	−	_____	=	_____
highest value		lowest value		range

Equation for mean/average:



_____	/	_____	=	_____
sum		number of values		average

Tuscan Yearly Rainfall

Month	Total Rainfall (Inches)
January	1
February	1
March	2
April	1
May	2
June	0
July	0
August	1
September	8
October	1
November	0
December	0