Family Size	Number of Gallons of Milk per week
1	1
2	1.5
3	2.2
4	3.8
5	4.7
6	5

1. Draw the line of best fit and then find its equation

2. Interpret the meaning of the slope and y-intercept in the context of the problem

3. Use your **line of best fit equation** to approximate the number of gallons of milk a family of 4 would drink

4. What is the difference between your answer in #3 and the value in the table.

Family Size	Number of Gallons of Milk
1	1
2	1.5
3	2.2
4	3.8
5	4.7
6	5

1. Use your calculator to find the line of best fit and the correlation, r.

2. Interpret the meaning of the slope in the context of the problem

3. Use your **line of best fit from #1** to approximate the number of gallons of milk a family of 4 would drink

4. What is the difference between your answer in #3 and the value in the table.

Time in seconds	Weight in pounds
0	180
1	177
2	176
3	175
4	171
5	170
6	168

1. Use your calculator to find the line of best fit and the correlation, r.

2. Interpret the meaning of the slope and y-int in the context of the problem

3. Use your **line of best fit from #1** to approximate the weight at 3 seconds

4. What is the difference between your answer in #3 and the value in the table.

5. Predict the weight of the object after 9 seconds.

6. Predict the time it will take for the object to reach 140 pounds.

1. Use your calculator to find the line of best fit and the correlation, r.

Age	Heart Rate	Age	Heart Rate
15	60	26	67
15	70	30	55
17	72	30	64
19	70	32	64
20	62	36	55
20	68	40	50
22	68	40	60
24	71	42	65

2. Interpret the meaning of the slope and y-intercept in the context of the problem

3. Use your **line of best fit from #1** to approximate the heart rate at age 22

4. What is the difference between your answer in #3 and the value in the table.

5. Predict the heart rate at age 50. Does this make sense.

6. Predict the age that you could expect the heart rate to reach 80.