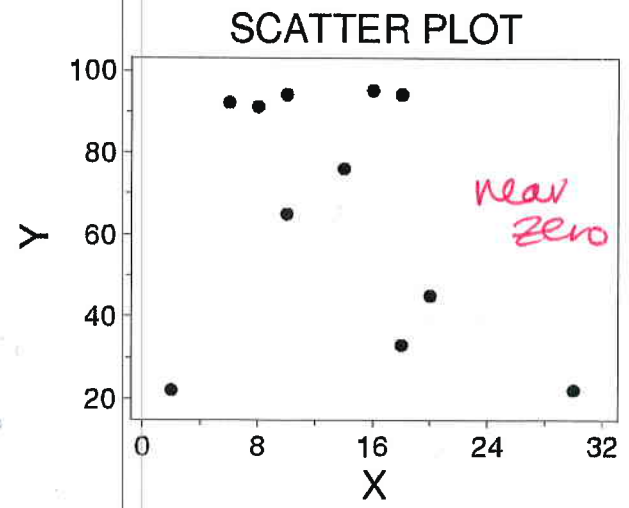
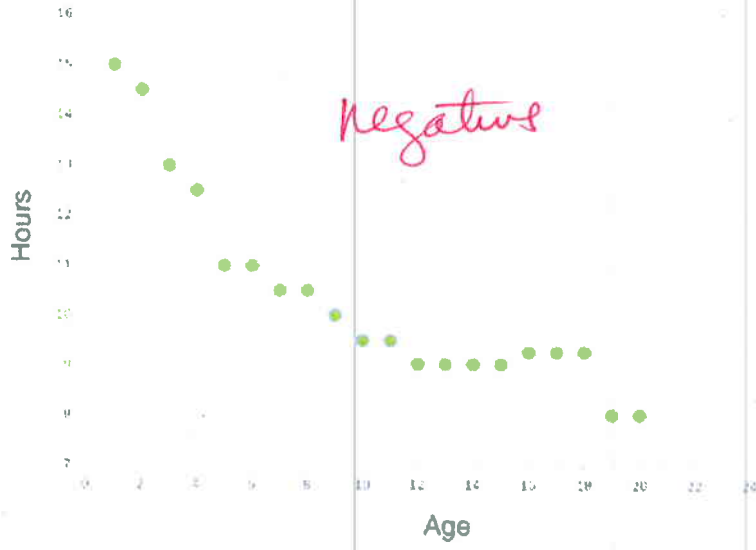
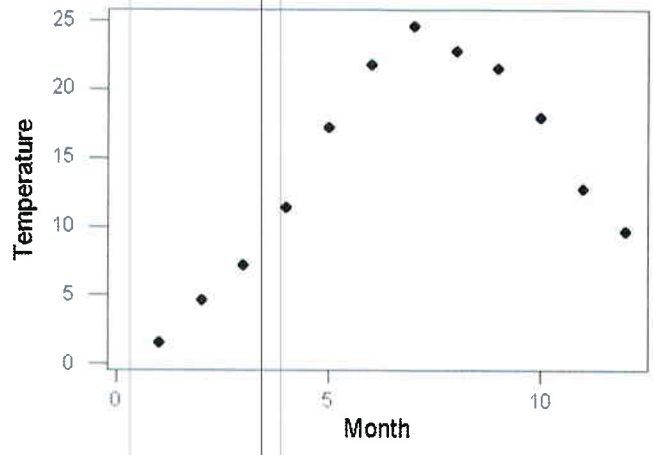
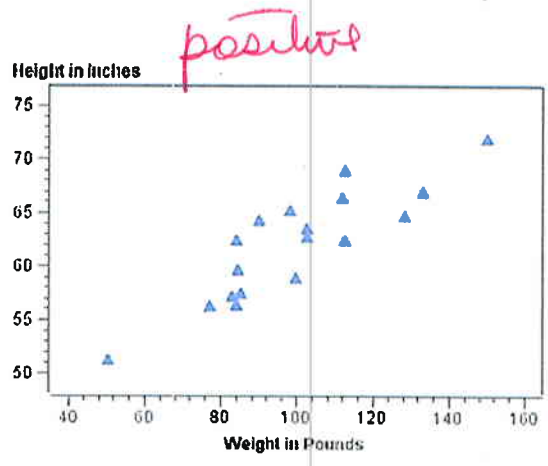


Instructions: Answer each question completely. Show all work for any computational questions.

1. Determine from the scatterplots shown whether the correlation is positive or negative or near zero.



Scatter Plot of Temperature vs. Month

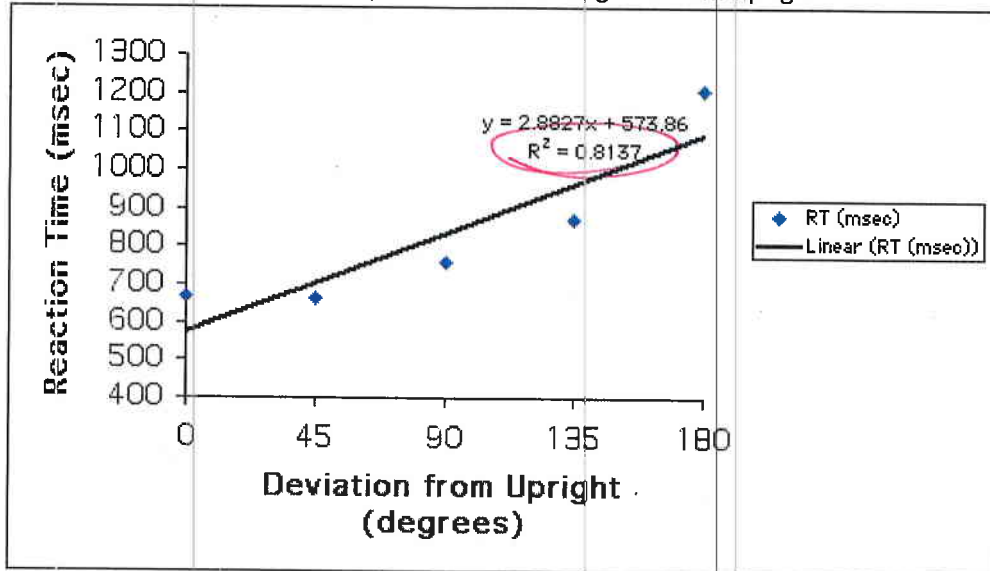


non-linear - near zero

2. Are any of the graphs shown above (in #1) strikingly non-linear?

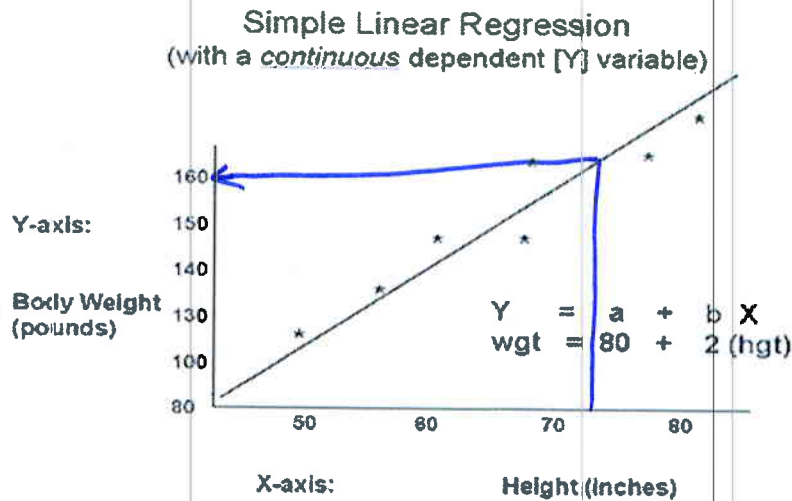
The 4th one is very non-linear
The 2nd one has no clear patterns
The 1st one could be non-linear, but its borderline

3. Use the information on the graph below to answer the question: what percent of the variation in reaction time is explained by the number of degrees from upright?



81.37%

4. Use the equation of the linear regression line shown on the graph below to estimate body weight when a person's height is 72 inches.



~ 160 by graph

$$80 + 2(72) = 224 \text{ pounds}$$