



Problem 1 – Voter Data

1. Does the voter data represent a function? (Data on page 1.3 and scatter plot on page 1.6)

- Yes
- No

Explain why or why not: _____

2. A simple test consisting of placing a line anywhere on a graph may be used to determine if a graph represents a function. When a _____ line is placed on a graph and the graph intersects the line more than once, the graph is not a function.

- horizontal
- vertical

3. For what values of x cause the data to fail to represent a function?

Problem 2 – Average Heights

4. Does the data represent a function? (Data on page 2.2 and scatter plot on page 2.3)

- Yes
- No

Explain why or why not: _____

5. Does the data represent a positive correlation?

- Yes
- No

Problem 3 – Retained Impressions

6. Does the data represent a function? (Data on page 3.3 and scatter plot on page 3.4)

- Yes
- No

Explain why or why not: _____

Problem 4 – Extra Practice

7. Does the relationship between the domain and range represent a function?

- a) Yes No

Domain	2	4	6	8	10	12	14	16
Range	3	6	12	24	48	96	192	384

- b) Yes No

Domain	12	6	3	1	3	6	12	24
Range	3	6	12	24	48	96	192	384

- c) Yes No

Domain	2	-4	6	-8	10	-12	14	-16
Range	3	6	12	24	12	6	3	1