DIRECTIONS

Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

Pg. 108 answers. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

14. domain: $-2, 0, 2, 4$; range: 3

16. domain: $2 < x < 7$; range: $1 < y < 6$

20. The given list is the domain of the function; The range is 6, 7, 8, 9.

22. The battery power remaining is the dependent variable and the amount of time you listen is the independent variable.

Pg. 117 answers. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

2. A linear function has a constant rate of change and a graph that is a nonvertical line. A nonlinear function does not have a constant rate of change and has a graph that is not a line.

4. A graph with a discrete domain will consist of individual points, a graph with a continuous domain will show a line or curve.

6. linear; The graph is a line.

8. linear; The graph is a line.

10. nonlinear; The graph is not a line.

12. nonlinear; As x increases by 2, y increases by different amounts. The rate of change is not constant.

14. linear; As x increases by 1, y decreases by 15. The rate of change is constant.

28. $0 \le x \le 7$; continuous; The graph is a line segment.

30. continuous; The number of years can be any value greater than or equal to 0.