Algebra 3

Mid Chapter 2 Quiz Content: 2.1 - 2.4

(See individual homework assignments for practice problems)

Concepts:

2.1 Concepts:
- Evaluate functions at various values (including expressions)
  - > Given f(x), evaluate f(-3) or f(10), etc...
  - > Given f(x), evaluate f(x-1) or f(2x+1)
- Determine if a graph is a function
  - > Use the Vertical Line Test

2.2 Concepts:
- Determine if and where functions are increasing or decreasing

2.3 & 2.4 Concepts:
- Find slope of a line given two points
- Write the <u>equation</u> of a line given various information including
  - > Slope and a Point
  - > Two Points
  - > Point and a line that is parallel
  - > Point and a line that is perpendicular