

Midterm Review

1.1: Distance and Midpoint Formula;

1.2: Graphs of Equations in Two Variables; Intercepts and Symmetry,

1.3: Lines,

Slope

1.4 Circles

Standard form of the equation and general form and x and y intercepts, symmetry

2.1: Functions;

Difference quotient

2.2: The Graphs of Functions;

2.3: Properties of Functions

2.3: Properties of Functions continues;

2.4 Library of Functions ;

Piecewise Defined Functions;

2.5: Graphing techniques;

Transformations of graph functions

3.1: Linear Functions and their Properties,

Relates to slope (+) (-) and average change.

3.3: Quadratic Functions and their Properties

$K = -(b/2a)$ to find the vertex of the quadratic function

vertex

vertex form of the equation

Axis of symmetry

X and y intercepts.

5.1 Composite functions and graphs;