

Incoming Honors Pre Calculus Summer Work “N” ixl.com or 12th grade

Variable expressions

Domain and range
Identify functions
Evaluate functions

Equations

Function transformation rules
Translations of functions
Reflections of functions
Dilations of functions
Transformations of functions

Functions

Domain and range
Identify functions
Evaluate functions

Systems of equations

Is (x, y) a solution to the system of equations?

Systems of inequalities

Is (x, y) a solution to the system of inequalities?

Factoring

Factor out a monomial
Factor quadratics using algebra tiles

Polynomials

Polynomial vocabulary

Circles

Find the center of a circle
Find the radius or diameter of a circle

Trigonometry

Pythagorean Theorem and its converse
Special right triangles
Trigonometric ratios: sin, cos, and tan

Probability

Introduction to probability

