

Name _____ Per _____ Date _____

Functions

Complete the table below. Use your notes and online resources as needed.

Linear Functions

Type	General Form Equation	Example Equation	Example Graph
Standard Form			
Slope-Intercept Form			
Point-Slope Form			

Quadratic Functions

Type	General Form Equation	Example Equation	Example Graph
Standard Form			
Vertex Form			
Intercept Form			

Absolute Value Functions

Type	General Form Equation	Example Equation	Example Graph

Conic Sections

Type	General Form Equation	Example Equation	Example Graph
Parabola			
Circle			
Ellipse			
Hyperbola			

How to translate a function:

o $f(x) + k$ UP k spots

o $f(x + k)$ LEFT k spots

o $-f(x)$ reflects over x-axis

o $f(x) - k$ DOWN k spots

o $f(x - k)$ RIGHT k spots

o $f(-x)$ reflects over y-axis