

Algebra II: Transformations and Parent Functions Review

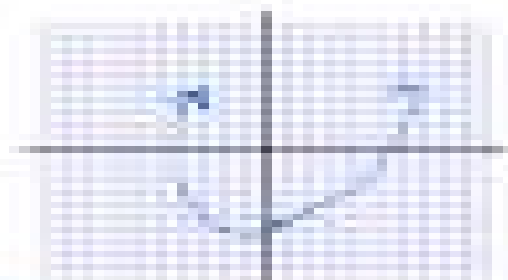
Name: _____ Period: _____ Date: _____

Instructions: In places give the equation the parent function and describe the transformations represented. Then draw and label graphing calculator for questions 1-4 below.

1. $g(x) = x^2 + 2$

Parent: $y = x^2$ parabola
transformations: shift 2

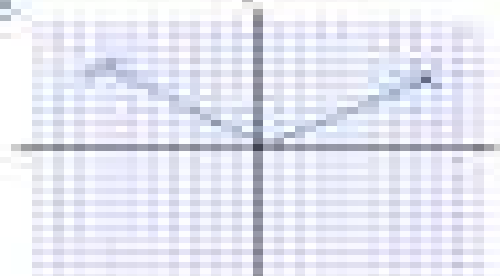
in (0,2)
at (0,2)



2. $h(x) = |x - 1|$

Parent: $y = |x|$ absolute value
transformations: right 1

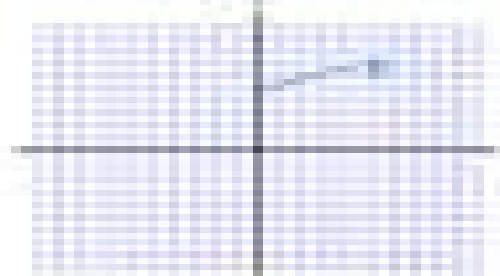
in (-1,0)
at (0,1)



3. $h(x) = \sqrt{x} + 2$

Parent: $y = \sqrt{x}$ square root
transformations: up 2

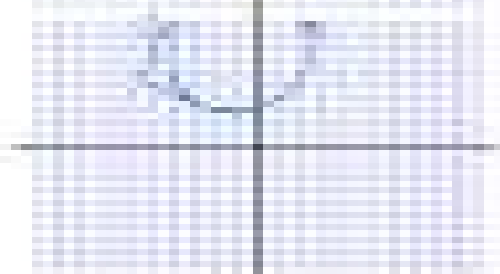
in (0,2)
at (0,2)



4. $g(x) = x^2 + 1$

Parent: $y = x^2$ parabola
transformations: shift 1

in (0,1)
at (0,1)



Parent Function Kuta

G Orfield

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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