BECA / Dr. Huson / Geometry Unit 11: Function transformations 16 May 2022

## Name: Solution

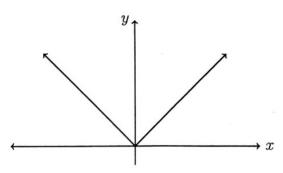
## 11.13 Exit Quiz: Function identification

HSF.BF.B.3

Identify each function with its name and the equation of its parent (simplest example). (e.g. line, parabola, square root, absolute value, reciprocal, circle, sine)

1. Name: Absolute Value

Equation: y = /x/

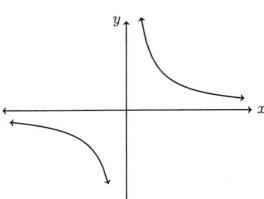


2. Name:

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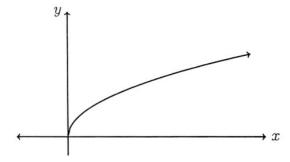
Equation:

$$y = \frac{1}{x}$$



3. Name: Square root

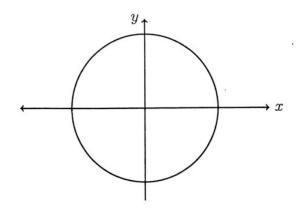
Equation:



4. Name:

Circle

Equation:



5. Name: Line

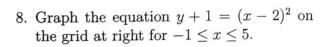
Equation: y = mx + b



Equation:  $y = S_{10} \times$ 



Equation:



- (a) Mark and label the vertex as a coordinate pair.
- (b) Write down the x-intercepts.

(1,0)(3,0)

- (c) Mark and label the y-intercept.
- (d) Draw the axis of symmetry and label it with its equation.

