Name: _____ Period: _____ Date: _____

Parent Functions and Transformations Bell work

1. Complete the following statement.

a. _____ is the simplest function with the defining characteristics of the family.

b. A change in the size or position of a figure or graph of the function is called _____.

2. Write T for true or F for false

a. Rigid transformations change size and shape of the graph.

b. A piecewise function is a function in which more than one formula is used to define the output. Each formula has its own domain, and the domain of the function is the union of all these smaller domains.

Multiple Choices

3. The rule of parent constant function is:

a. $$f(x) = c$$

b. $$f(x) = cx$$

c. $$f(x) = x$$

4. The domain of parent square root function is:

a. $$[0. \infty)$$

b. $$(0. \infty)$$

c. $$[-\infty. \infty)$$

5. The range of parent quadratic function is:

a. $$(-\infty, \infty)$$

b. $$[0, \infty)$$

c. $$(0, \infty)$$

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Parent Functions and Transformations Bell work

ANSWERS

1. Complete the following statement.

a. The parent function is the simplest function with the defining characteristics of the family.

b. A change in the size or position of a figure or graph of the function is called a transformation.

2. Write T for true or F for false

a. Rigid transformations change size and shape of the graph.   F

b. A piecewise function is a function in which more than one formula is used to define the output. Each   T
formula has its own domain, and the domain of the function is the union of all these smaller domains.

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