

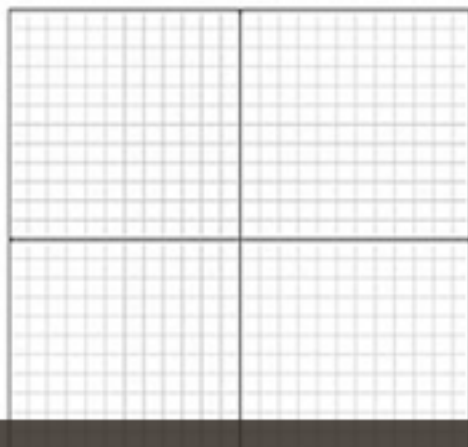
Name _____ Date _____

Graphing the Discrete and Continuous Functions

Determine whether the graph will be discrete or continuous. Complete the table. Graph the function.

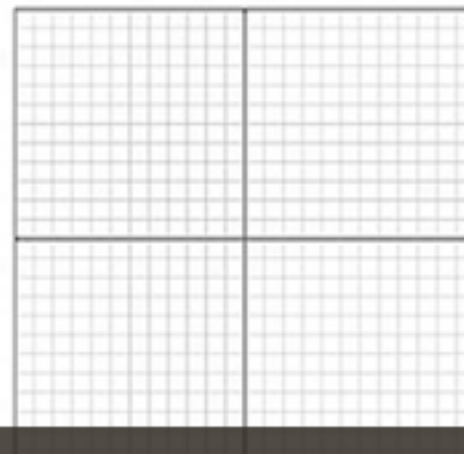
- 1 Each day that a library book is kept past its due date, a \$0.75 fee is charged. The total cost of the fees can be represented by the equation $f(x) = 0.75x$. Is the function discrete or continuous?

$f(x) = 0.75x$	
x	y



- 2 Strawberries are being sold for \$2 per pound. The total cost of the strawberries can be represented by the equation $f(x) = 2x$. Is the function discrete or continuous?

$f(x) = 2x$	
x	y



DISCRETE AND CONTINUOUS FUNCTIONS
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$f(x) = 28x$	
x	y

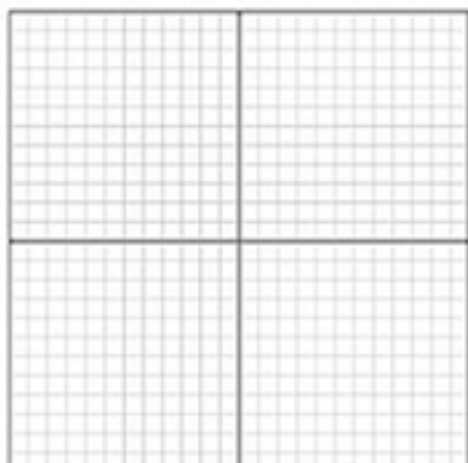


$f(x) = 100x + 50$	
x	y



- 5 Cans of chicken noodle soup are on sale for \$0.89 each. The total cost of cans of soup can be represented by the equation $f(x) = 0.89x$. Is the function discrete or continuous?

$f(x) = 0.89x$	
x	y



- 6 Ivy stopped to get gas before going on a road trip. The tank already had 2 gallons of gas in it. The total amount of gas can be represented by the equation $f(x) = x + 2$. Is the function discrete or continuous?

$f(x) = x + 2$	
x	y

