

Name _____

Date _____

Discrete and Continuous Data Assignment

1. Josie has a lemonade stand where she is selling cups of lemonade for \$.50 per cup.

a) Explain why this is an example of a discrete function.

b) Create an equation that finds the money made, m , as a function of the number of cups, c , sold.

c) How many cups of lemonade would Josie need to sell in order to make exactly \$30?

d) Explain why Josie cannot make exactly \$28.75.

e) Graph the function on the grid below.

