

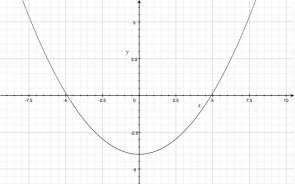
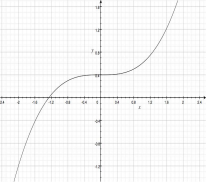
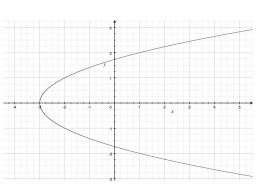
Name(s) _____

F-U-N-C-T-I-O-N LAB

Visit each station, in any order, with your partner(s). You may use a calculator to help you work on each.

Check in with the teacher to correct your work before beginning at another station.

F	
U	
N	
C	
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N	

F	What is the definition of a Function?
U	<p>Which of the following Graphs are Functions. Explain How you know</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>a.</p> </div> <div style="text-align: center;">  <p>b.</p> </div> <div style="text-align: center;">  <p>c.</p> </div> </div>
N	<p>Find the following function values for $f(x) = 5x - 8$</p> <p>a. $f(0)$ b. $f(1)$ c. $f(-7)$ d. $f(100)$ e. $f(t)$ f. $3f(t)$</p>
C	<p>Determine which of the following sets of relations is NOT a function. Explain how you know it's not.</p> <p>a. $\{(-2, 4), (1, 5), (-4, -6), (8, 2)\}$ b. $\{(6, 0), (5, -7), (6, -4), (-1, 8)\}$ c. $\{(1, 2), (-3, 2), (-5, 2), (8, 2)\}$ d. $\{(3, 5), (1000, -1), (-1000, 9), (1, 4)\}$</p>
T	<p>Fill in the links sheet for the function given. Attach the links sheet to your Lab.</p>
I	<p>Draw a quick sketch of</p> <p>a) a relation that is not a function</p> <p>b) a relation that is a function</p>
O	<p>What is the only type of linear graph that is not a function? Draw a quick sketch to show why it's not a function</p>
N	<p>Determine whether the following equations are functions by using the replacement set $x = \{-2, -1, 0, 1, 2\}$</p> <p>a. $-3x + y = 8$ b. $y = 4$ c. $x^2 - 1 = y$</p>