Math 4CST Function Notation Name: _____

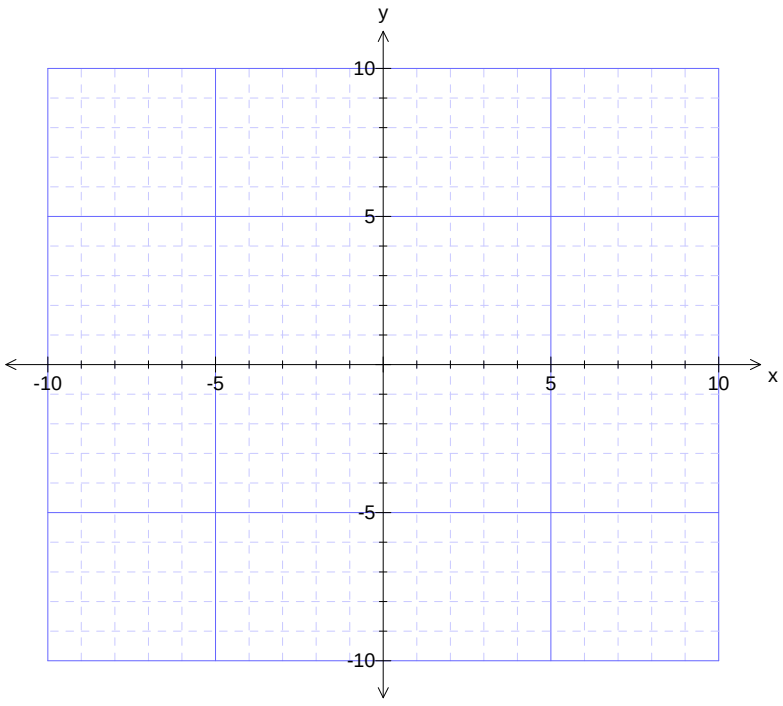
1. Given the function $f(x) = 3x + 5$

a) Evaluate $f(0)$

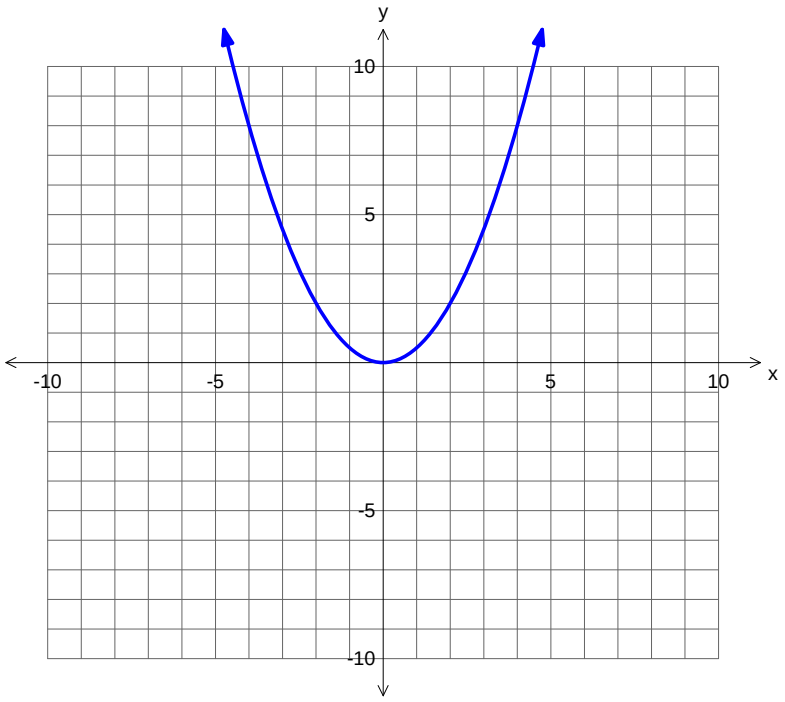
b) Evaluate $f(2)$

c) Evaluate $f(-5)$

d) Knowing that $f(x)$ is a linear function, use your results to parts (a), (b) and (c) to graph the function below. Be sure to include arrows at each end!



2. Given the function $f(x) = 0.5x^2$ and its graph shown below:



a) Using the graph, approximate *f(0), f(1), f(-1), f(2), f(-2)*

b) Use the above rule to check your answers to part (a)

c) If the value of *f(x)* is 8, what are the possible **values** of *x*? Use both the graph and the rule given above to check that you are correct.