Name: <u>Caleb McWhorter — Solutions</u>	"The irreducible price of learning is realizing that you do not know."
MATH 101	
Fall 2022	
HW 7: Due 10/17	– James Baldwin

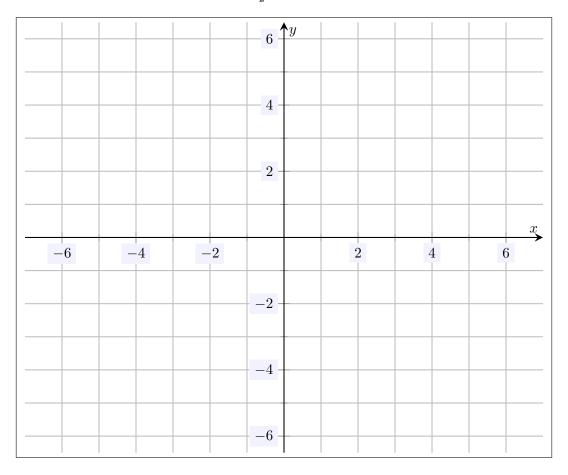
Problem 1. (10pt) Do you think a person's height is a function of time? Do you think a peron's salary is a function of their body temperature? For each, explain why or why not.

Problem 2. (10pt) Determine if the relations f(x) and g(x) shown below are functions. Explain why or why not. If the relation is a function, compute the functions value at x=-4.1.

$$f(x) = 198.3 - 17.3x$$

$$g(x) = 4x^2 + 16.1x - 10.3$$

Problem 3. (10pt) Plot the function $f(x) := \frac{1}{2}x - 5$, being as accurate as possible.



Problem 4. (10pt) Plot the function $f(x) := -x^2 + 4x - 1$, being as accurate as possible.

