Name: _____

MATH 101
Fall 2022
HW 12: Due 11/07

Problem 1. (10pt) Consider the line $2x - 5y = 4$.

(a) Is $(-2, 0)$ on the line? Explain.

(b) Is $(-3, -2)$ on the line? Explain.

(c) Showing all your work, find two points, distinct from $(-2, 0)$ and $(-3, -2)$, on the given line.

Problem 2. (10pt) Consider the line $-3x - 5y = 10$.

(a) Find the slope of the line.

(b) Find the y-intercept of the line.

(c) Find this line as a linear function, $f(x)$.

(d) Using your $f(x)$ from (c), find a point on the line distinct from the y-intercept.