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MATH 101	"Above all, don't fear difficult moments. The best comes from them."	
Fall 2022		
HW 13. Due 11/07	– Rita Levi-Montalcini	

Problem 1. (10pt) Consider the linear function $f(x) = 7 - \frac{6}{7}x$.

- (a) Find the rate of change of f(x).
- (b) Is f(x) increasing or decreasing? Explain.
- (c) Find the *y*-intercept of f(x).
- (d) Find f(-3).

Problem 2. (10pt) Using the plot of the linear function f(x) below, answer the following:

- (a) Find the slope of the given line.
- (b) Find the y-intercept of the given line.
- (c) Find f(x).
- (d) Find the x-intercept of f(x).

