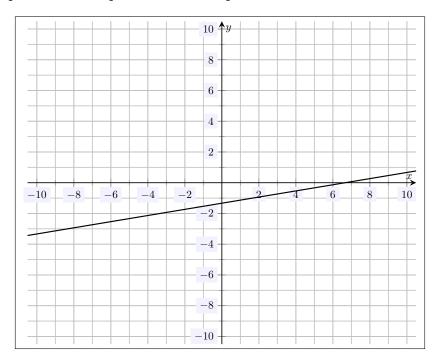
Name:

MATH 101 Spring 2024 HW 12: Due 03/20

"Mitchell's mother has a problem... with me. Last Christmas, for example. She gave me a piece of exercise equipment and a lettuce dryer. So, to recap, I gave her a gorgeous pair of diamond earrings and she gave me a hint."

— Cameron Tucker, Modern Family

Problem 1. (10pts) Find the equation of the line plotted below.



Problem 2. (10pts) Find the equation of the following lines:

- (a) The line through (-1,1) and (6,-2).
- (b) The line containing (8,-1) with slope $\frac{4}{3}$.
- (c) The line with y-intercept 5 and slope -6.

Problem 3. (10pts) Find the equation of the line with x-intercept -4 and y-intercept 6.