Name: MATH 101 Fall 2022 HW 16: Due 11/09	"From a child, I had an inordinate desire for knowledge and especially music, painting, flowers, and the sciences, algebra being one of my favorite studies."
11W 10. Due 11/09	favorite studies." — George Washington Carver

Problem 1. (10pt) Find the line perpendicular to $y = \frac{3}{2}x + 6$ that passes through its x-intercept.

Problem 2. (10pt) Solve the following equation:

$$3(x-1) = 1 - 8x$$