Math 45, Fall 2020
November 4, Quiz 09 Name: _____

Please show and explain your work where necessary. Good luck!! You may use the formulas

$$u_1' = -\frac{y_2 f(x)}{W} \qquad \text{and} \qquad u_2' = \frac{y_1 f(x)}{W}$$

if you so desire.

1. (*10 points*) Use the method of variation of parameters to solve the differential equation $y'' + y = \sec(x)$.