Given the demand equation \( D(x) = 20 - 0.05x \) and the supply equation \( S(x) = 2 + 0.0002x^2 \) determine:

a) the equilibrium price, \( \bar{p} \), and the equilibrium quantity, \( \bar{x} \).

b) sketch \( p \) vs. \( x \). (\( p \) axis is vertical.)

c) Determine the consumers’ surplus & producers’ surplus.