1. A certain product has supply function

\[ S(p) = 6 + \frac{p^2}{2000} \]

as a function of price \( p \). The demand function for the same product is

\[ D(p) = 100 - \frac{p^2}{80(1 + p)}. \]

Find the equilibrium price for this product. State your answer in the form of a complete sentence so that someone reading it can easily reproduce your answer.