Mathematics 122 Quiz #4   Name:_____

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.