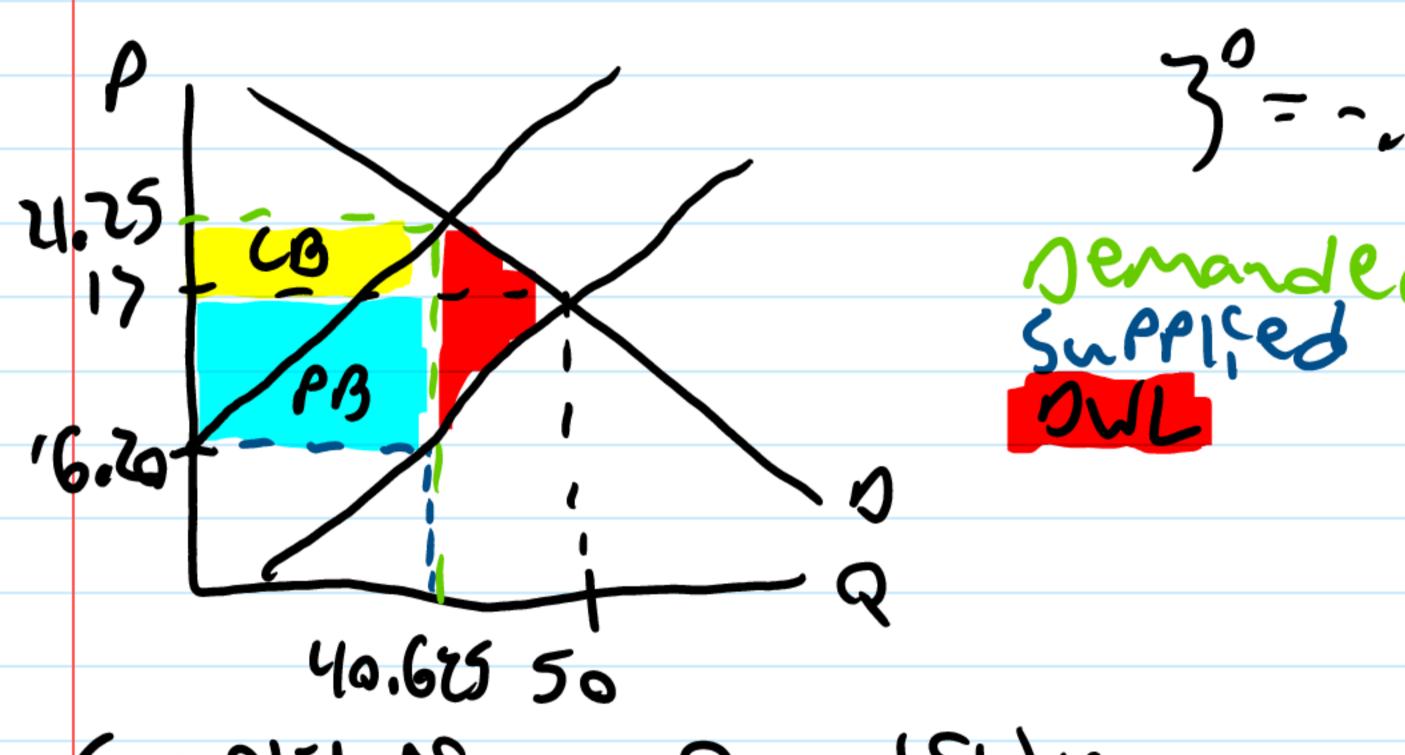
Tuesday, September 15, 2020

At the current market equilibrium, price is \$17 and quantity is 50. A tax of 25% is imposed. The elasticity of demand is -0.75 and the elasticity of supply is 4. Find the new equilibrium quantity/ the after tax price paid by consumers, the after tax price received by suppliers, tax revenue the producer burden, the consumer burden, and the excess burden. Draw a figure to illustrate. Hint: It will help to sketch the figure noting what you know and what you need to figure out before starting the algebra!



$$\frac{29491!67!44}{47!67!67!67!}$$
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After tax consumer; 17.1.25 = 21.25

$$DVL: \frac{1}{2}(50-40.625)(17-16,2)+\frac{1}{2}(50-40.625)(21.25-17)$$

=\frac{1}{2}(9.375)(.8)+\frac{1}{2}(9.375)(4.25)=3.75+19.92=23.67