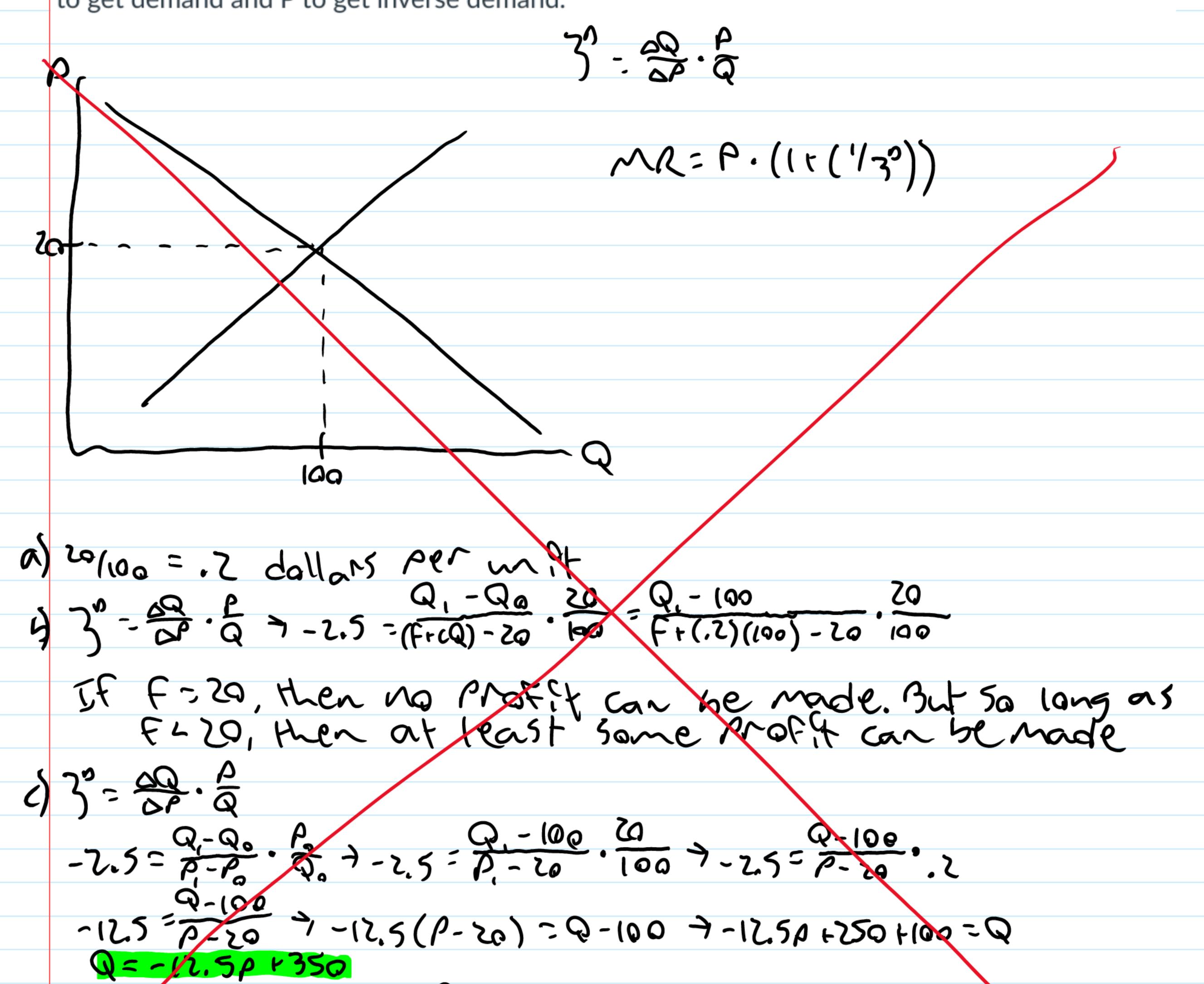
Tuesday, September 22, 2020 5:37 P

Passed Saurfon Neview

A profit maximizing monopolist charges \$20 and sells 100 units. Elasticity of demand is -2.5. The monopolist's cost function is C(Q)=F+cQ where F is a fixed cost and c is the constant per unit variable cost.

- a) What is the per unit variable cost?
- b) What is the highest fixed cost could be if the monopolist has not chosen to exit the industry?
- c) Write a linear approximation of both demand and inverse demand around the current price. Hint, use the formula for point elasticity and the current price and quantity, then rearrange for Q to get demand and P to get inverse demand.



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