

ECO137 Quiz 6 Dec. 29. 2017

ID/Name

1. Calculate Consumer Surplus (CS) and Producer Surplus (PS) given the following demand and supply functions.

$$\text{Demand: } P = 0.1Q^2 - 2Q + 20$$

$$\text{Supply: } P = Q^2 + 2Q + 5$$

2. Calculate the following integral using integration by parts.

$$\int_0^1 x^2 e^x dx$$