

Steve and Rene are given a revenue and a cost function.

Steve states that the company is profitable at 50 items sold.

Rene states that the company covers their cost at 51 items sold.

Who is correct? Why is the other person not correct? Explain why it is Steve, Rene, both, or neither.

$$\text{Revenue} \geq 100m - 2000$$

$$\text{Cost} \geq 20m + 2000$$