FULL NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class Activity (Public Good)

Suppose that 100 people have the demand for good Q=20-P, while another 10 people have the demand for the same good of Q = 20 -2P and the cost of producing each unit of the good is $3 and is impossible to produce fraction of the good, what is the optimal quantity of the good if

1. The good is a car, private good
2. The good is a missile, a public good