

QUIZ 9

Name _____

1. Two products are manufactured in quantities q_1 and q_2 and sold at prices of p_1 and p_2 respectively. The cost of producing them is given by the formula

$$C = 2q_1^2 + 2q_2^2 + 10.$$

Assuming fixed prices find the maximum profit possible. (Note: Revenue would be $R = p_1q_1 + p_2q_2$. Also note that your answer will be expressions in p_i .)