Exercise: Total Cost Equation

A takeaway restaurant sells 2000 sandwiches a day. Fixed costs (FC) are \$550 for the (a) same period. The unit variable costs are \$0.35. How much are the total costs? We know $TVC = VC \times Q$ $= 0.35 \times 2000$ = \$700 We also know TC = TVC + FC=700+550= \$1250 The total costs are \$1250. A factory makes Q cellular phones per day. Fixed costs for the same period are \$8000 (b) and the variable costs for each celluar are \$500. Write the total cost equation. $TVC = VC \times Q$ We know = 500*Q* We also know TC = TVC + FCTC = 500Q + 8000