

**18. Incorrect. The answer is true not false.** At price of \$30, suppliers would bring 45.4 units to market. The inverse demand equation  $P_o = 43.75 - 0.5Q$  tell us what price would be required to make consumers willing to buy this amount of oil.  $P_o = 43.75 - 0.5 * 45.4 = 21.05$ . If suppliers are receiving \$30 and consumers are paying \$21.05, the required subsidy would be \$8.95. The total amount of the subsidy would be  $8.95 * 45.4 = \$406.33$ .