

**WRITE YOUR NAME:**

MAC 2233 Homework 5

Due in class, Monday April 2nd

You can use more paper if necessary, but please STAPLE

**Question 1.** A store has been selling a popular computer game at the price of \$40 per unit, and at this price, players have been buying 50 units per month. The owner of the store wishes to raise the price of the game and estimates that for each \$1 increase in price, three fewer units will be sold each month. If each unit costs the store \$25, at what price should the game be sold to maximize profit?