Supply and Demand Activity Sheet Answers

Activity Sheet 1: Senior Class Buttons

The graph should resemble the following:

3. about 150 customers; by examining quantity when the cost is $2.50
4. about 140 customers; at $3.80 the supply is 300 and the demand is 160, so there are 140 unsold buttons
5. about 660 buttons; that is the \( y \)-intercept of the demand line
6. about $0.60; that is the \( x \)-intercept for the supply line
7. Equilibrium is at about $3.20, because that is the price where the supply and demand lines intersect.
8. \( S = 95P - 60 \)
9. \( D = -130P + 660 \)
10. \( P = $3.20; 244 \) buttons
Activity Sheet 2
Game Cartridges
1. \( S = 10P - 50 \)
2. \( D = -10P + 700 \)
3. \$37.50

Silver Dollars
The graph should resemble the following:

3. about \$2.60
6. Based on the graph shown in the answers, the lines intersect at about \((2.50, 47)\). The \(x\)-coordinate of the intersection point should be close to the answer to Question 3. Student answers will vary depending on whether they try to fit a line to each set of data or possibly connect the points and make a line graph.