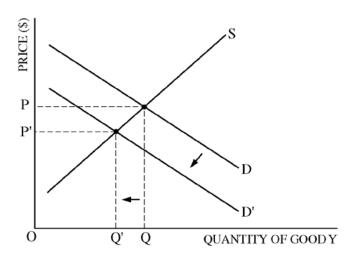
AP® MICROECONOMICS 2010 SCORING GUIDELINES (Form B)

Question 3

5 points (3 + 2)

(a) 3 points:

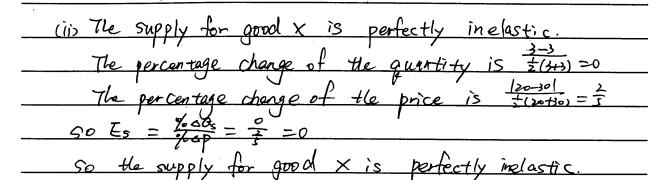
- One point is earned for stating that the demand for good X is relatively elastic, because the elasticity coefficient > 1 OR because total revenue rises as price decreases from \$30 to \$20.
- One point is earned for stating that supply is perfectly inelastic, because there is no change in the quantity supplied as the price changes OR because the supply elasticity is zero.
- One point is earned for stating that all of the burden of a per-unit tax falls on sellers.

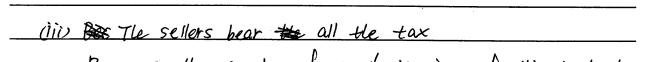


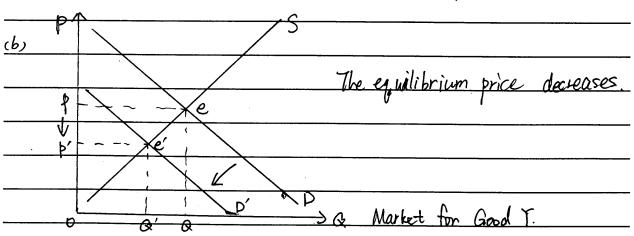
(b) 2 points:

- One point is earned for a correctly labeled graph of supply and demand.
- One point is earned for showing a leftward shift of the demand curve and a decrease in the equilibrium price.

ca, ii) The demand for good X is relatively elastic.
The person take whomeouse the algorithm is $\frac{3-1}{4}$ = 4
The percentage change of the price is \(\frac{120-30}{\pmu} = \frac{70}{50} = \frac{1}{5}
The percentage charge of the price is $\frac{ 20-30 }{\pm(20+30)} = \frac{1}{50} = \frac{1}{5}$ So $Ed = \frac{90 \pm 00}{50} = \frac{1}{5} = \frac{5}{5} = 2 = 2.5 > 1$
so the demand for good x is relatively elastic





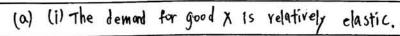


Because the income elasticity of domand for good T is -2, that means when the income increase, the domand for good Y will decrease as an inferior good, so when the income significantly increase, the domand decreases

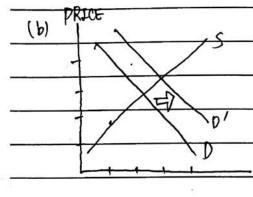
a) (i) When the price decreases from
830 6 \$70, the demand for
good X is relatively elastic.
This is because as price decreased
the quantity demanded increased,
making the dispersion demanded
responsive to the one.
Mesponsible to the proc. According to the formula of Dauantity demander 950 price.
the decrease a price caused the
equestor to be greater than I, making
It relatively elastic. As quantity increased
porce decrensed.
(i) The supply of good X perfectly inelastic
because the change in price from
530 to 520 caused no charge
In the quantity supplied, showing
that price has no affect on quantity
5, mued and supply is constant
price Quantry
\$30 the quantity rever
\$20 the quantity rever \$20 Changes
3 units

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(1) estino 3	Write in the box the number of the question you are answering on this page as it is designated in the exam.
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3



- (ii) The supply of good X is perfectively inclustic.
- (iii) the buyers wholly burden the tax.



QUANTITY

AP® MICROECONOMICS 2010 SCORING COMMENTARY (Form B)

Question 3

Sample: 3A Score: 5

The student earned all 5 points for this question.

Sample: 3B Score: 3

The student lost 1 point for not answering part (a)(iii). The student lost 1 point in part (b) for shifting the demand curve incorrectly.

Sample: 3C Score: 1

The student earned 1 point in part (b) for a correctly labeled graph.