

I have neither given nor received unauthorized aid on this examination, nor have I concealed any similar misconduct by others.

Signature _____

Part 1 (2 points each – circle your answer for multiple choice)

1. Ad-valorem tariffs are ____
 - a. assessed per-unit
 - b. assessed as a percentage of value
 - c. free up to a specified limit
 - d. None of the above

2. Ben and Jerry's entered Japan in the 1990s via
 - a. 7-11
 - b. Dominos
 - c. Scoop shops
 - d. Häagen-Dazs

3. For Canadian firms, the US Canada Free trade agreement
 - ~~a. Decreased employment~~
 - b. Increased productivity
 - c. 'a' and 'b'
 - d. None of the above

4. For Canadian firms, improved Canadian business conditions
 - a. Decreased employment
 - b. Increased productivity
 - c. 'a' and 'b'
 - d. None of the above

5. Export supply for commodities is usually ____ export supply for differentiated products.
 - a. Less elastic than
 - b. More elastic than
 - c. Equal to
 - d. More rigid than

Part 2: (5 points each)

1. Please list at least 5 dimensions on which exporters are different from non-exporters, and the way in which exporters are different.

Exporters are
~~they~~ hire more workers/larger employment
~~more~~ sell more
are more capital intensive
are more skill intensive
pay higher wages
are more productive

+1
for each

2. Please describe how the data indicates that exporting is exceptionally concentrated.

The data shows that although 11-12% of firms
export to 5+ countries in 5+ products, they
account for 92% of sales and 70%
of employment among all exporters.

+2
+1

3. Other than data quality, provide two reasons why the Canada-US Free Trade agreement studied in Trefler (2004) is an innovative study of tariff liberalization.

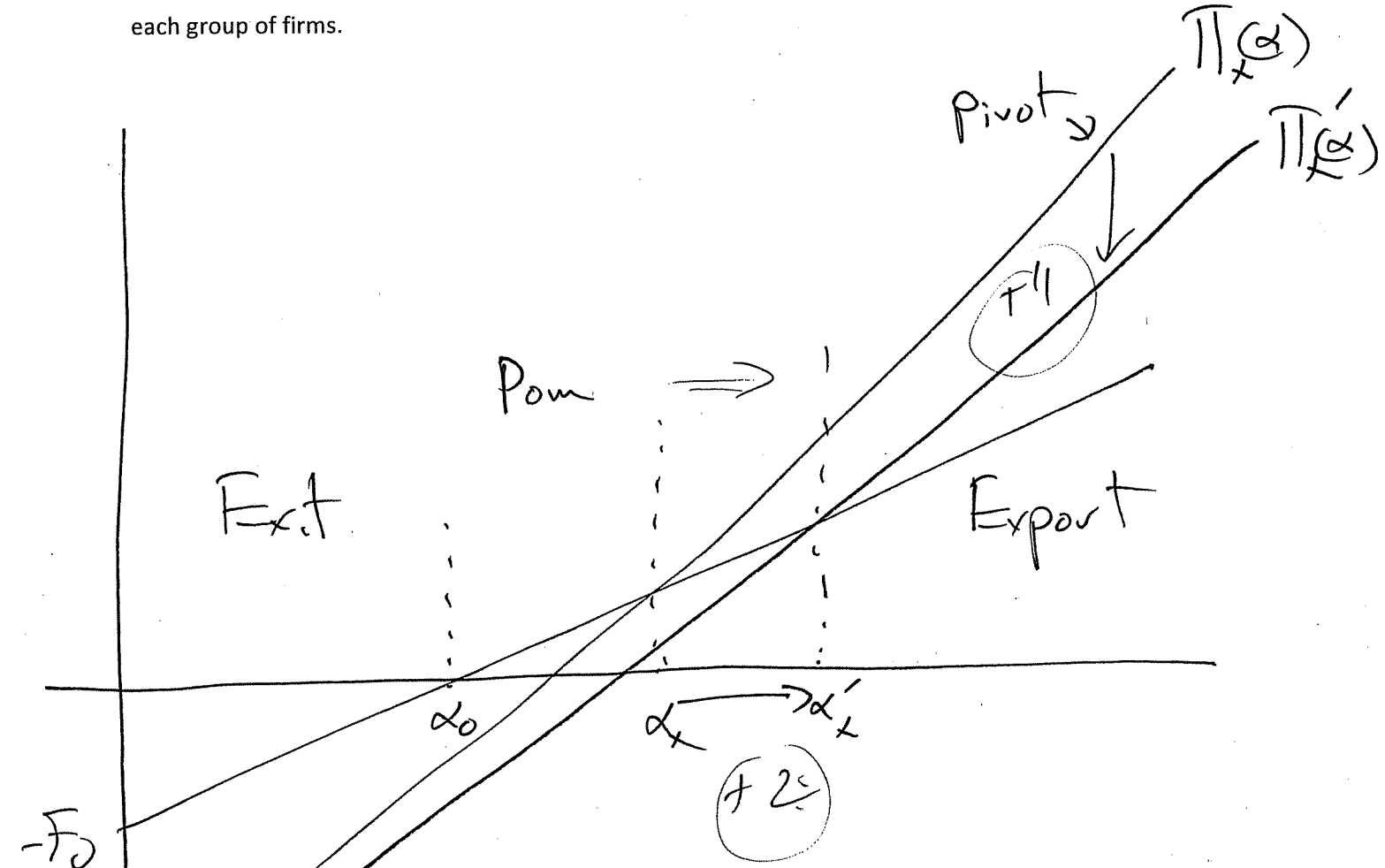
- It was unexpected +2.5

- It is liberalization by a developed country. +2.5

4. Please list two differences between liner shipping and tramp shipping.

Liner shipping		Tramp shipping
Defined port of call	+2.5	No defined port of call
Containerization	+2.5	Not as prevalent

2. Suppose that 't' increases. Please detail graphically the *direct* effects of this change. Please also discuss, if any, the effect of the increase in 't' on the share of active firms and exporting firms, and the average productivity of each group of firms.

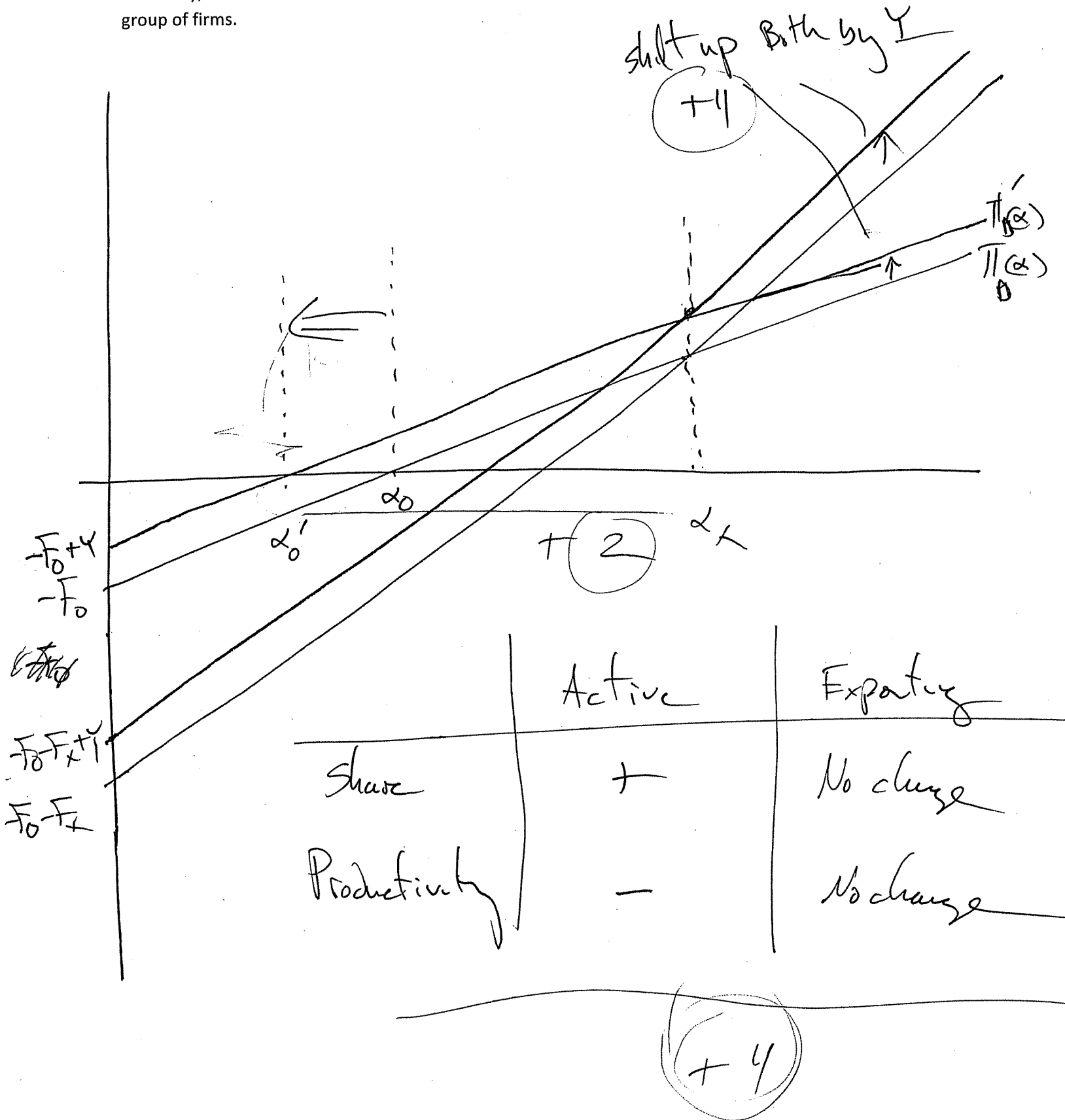


~~Share of active firms does not change~~

	Active Firms	Exporting Firms
Share	No change	-
Productivity	No change	+

(4)

3. Suppose that the government in H decides that they want to uniformly subsidize the profits their home firms earn in the domestic market by a lump-sum value Y . Please detail graphically the direct effects of this change, and if any, the effect on the share of active firms and exporting firms, and the average productivity of each group of firms.



Key

4. Suppose that Spearot Vineyard sells a \$20 bottle of wine at the factory (production cost \$15) that can be exported to Cruzland for \$10 per bottle in shipping costs. At a delivered price of \$20 in Cruzland, 100 units are sold, but sales decrease uniformly to zero as the delivered price rises from \$20 to \$40 (ie 90 units are sold at \$22, 80 at \$24, etc.). Spearot Vineyard also sells a bottle for \$200 at the factory (production cost \$150), which can be exported to Cruzland for \$10 per bottle. At a delivered price of \$200, the bottle sells 10 units, but sales decrease uniformly to zero as prices rise from \$200 and \$250 (ie 10 units are sold at \$200, 9 at \$205, etc.).

If the fixed costs of export are \$300, which (if any) bottles are profitably exported to Cruzland? If there were no transport costs, how does this answer change? What have we added to this problem that complicates the value/weight discussion from class? Demand!

$$\begin{aligned} \Pi_{\text{cheap}} &= (20 - 15) \cdot 50 - 300 \\ +3 & \quad \uparrow \\ &= 250 - 300 = -50 \end{aligned}$$

Do not export

$$\begin{aligned} \Pi_{\text{Expensive}} &= (200 - 150) \cdot 8 - 300 \\ +3 & \\ &= 400 - 300 = 100 \end{aligned}$$

Export expensive bottle

No transport:

$$+2 \quad \Pi_{\text{cheap}} = (20 - 15) \cdot 100 = 300 = 200$$

Export

$$+2 \quad \Pi_{\text{expensive}} = (200 - 150) \cdot 10 = 200 = 200$$

both.

+2 We added demand