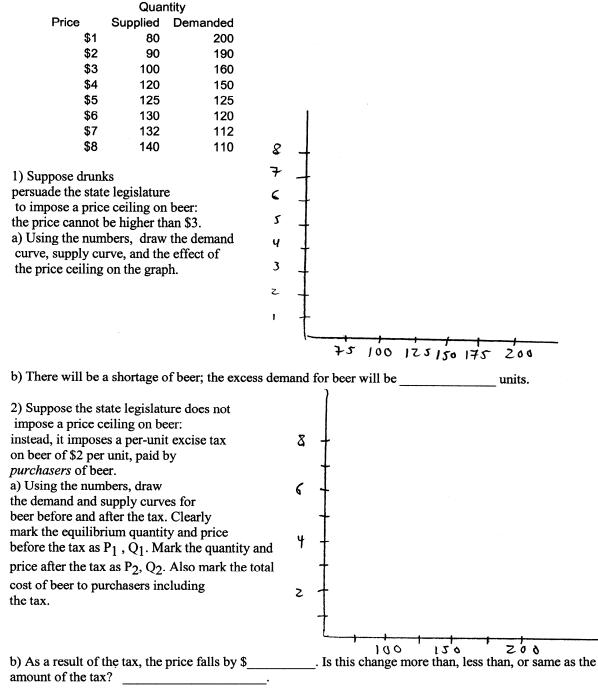
Your name (first name, then last name):

Your TA's name:

SUNY-Binghamton Economics 160, Principles of Microeconomics, Christopher Hanes Problem set 4 Price controls, excise taxes

Suppose the market for beer in New York is perfectly competitive. The supply and demand schedules for beer are:

\_\_\_\_\_



The cost of beer to buyers rises by \$\_\_\_\_\_. Is this change more than, less than or same as the amount of the tax? \_\_\_\_\_\_

2) Suppose the market for jelly is perfectly competitive. The equilibrium price of jelly is \$4, and the equilibrium quantity is 30. The government imposes a per-unit tax of \$1, paid by *producers* of jelly. On the two sets of axes below, draw two graphs that show the burden of the tax will fall more heavily on buyers if supply is relatively elastic and demand is relatively inelastic, while the burden of the tax will fall more heavily on sellers if supply is relatively inelastic and demand is relatively elastic. Be precise. Mark the equilibrium quantity and price before the tax as  $P_1$ ,  $Q_1$ . Mark the quantity and price after the tax as  $P_2$ ,  $Q_2$ . Also mark the net payment received by suppliers, net of the tax passed on to the government.

