ECO 120:	Global M	acroeco	nomi	ics
Week 2 Ho	omework:	Supply	and	Demand

Name:	

Directions: Notice that all problems ask you for a descriptive answer in addition to performing a calculation or manipulating a graphical model. For full credit, make sure that you do both. You may print these sheets and put your answers in the space provided or you may use your own paper to write your answers.

When you have finished, scan or take pictures of your work, combine all images to a single PDF file, and upload your work as a single PDF file to the Canvas Assignment area. There are apps available for Apple and Android mobile devices that can create PDF documents using your device's camera, including the Apple iPhone's native *Notes* app (use the *scan document* feature) and *Adobe Scan* app available for Android and Apple mobile devices. There are also free online tools such as https://www.easypdfcloud.com/.

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For each of the following problems, read the scenario and determine the following (in order):

- Does the scenario cause a shift in the demand and/or supply curve? If so, which curve, which direction?
- Draw the supply and demand curves, labeling the axis and giving a title with the market.
- Draw in the appropriate shift(s) in the supply and/or demand curves.
- Label the original and new equilibrium price and quantities.
- What is the impact of the scenario on price? What is the impact on quantity?
- 1. In 2018, the United States imposed a 25% tariff on imported steel (i.e. an additional tax for imported steel). U.S.-produced automobiles include parts made from imported steel. Describe and illustrate the impact on the market for automobiles.

2. Bird flu is a disease that affects birds, including poultry, which is often deadly for the birds and is highly contagious. In 2022, 47 out of 50 U.S. states reported poultry outbreaks and more than 58 million birds in the United States have died or were destroyed to prevent further outbreaks. Describe and illustrate the impact on eggs.

3. During the COVID-19 pandemic, mortgage interest rates fell to historic lows, making it less expensive for people to borrow money to buy a house. At the same time, there were production disruptions increasing costs and decreasing availability of building materials. Describe and illustrate the impact on the market for housing.

4.	. In 2020, wildfires and wildfire smoke destroyed thousands of acres of wine grape crops in northectalifornia. Describe and illustrate the impact on the market for wine.					
5.	Walmart sells a number of inferior goods, such as inexpensive off-brand clothing, off-brand food, etc. During the COVID-19 epidemic, U.S. consumers experienced high levels unemployment and decreases in household income. Describe and illustrate the impact on the market for inferior goods at Walmart.					

6.	The United States federal government gives a \$0.45 tax subsidy to gasoline producers for every
	gallon of ethanol blended into gasoline (a subsidy is a payment made by the government to an
	individual or firm, usually for performing some kind of action, like production of a particular
	product). Describe and illustrate the impact of the subsidy on the market for gasoline blended
	with ethanol.

7. There have been recent technological improvements in the production of electric vehicles and their batteries. Describe and illustrate the impact on the market for electric vehicles.