ECO 120: Global Macroeconomics	Name:	
Week 2 Homework: Supply and Demand		

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, assure that all pictures are oriented right-side up, and upload your work as a single PDF file to the Canvas Assignment area. You may use https://www.easypdfcloud.com/ to combine your images to a single PDF file.

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. Gasoline prices rose globally and in the United States in 2008. Describe and illustrate the impact on the market for compact fuel efficient cars, such as the Toyota Prius.

2.	The mountain pine beetle is an invasive species that feeds on and kills trees throughout British
	Columbia, which is a primary source of lumber used in North American construction. Describe and
	illustrate the impact on the market for lumber.

3. During the COVID-19 pandemic, people and businesses had a greater desire and need to work remotely, using computer technology to collaborate and communicate with each other. At the same time, production disruptions caused by the pandemic has led to lower production of computer microchips. Describe and illustrate the impact on the market for computer microchips.

4.	Suppose interest rates increase in the United States, making it more expensive for people to borrow
	money. Describe and illustrate the impact on the market for new automobiles (which are often
	financed with loans).

5. Walmart sells a number of inferior goods, such as inexpensive off-brand clothing, off-brand food, etc. The 2020 COVID-19 recession was accompanied with decreases in income for people across the country. What was the impact on the market for inferior goods at Walmart? What was the impact on Walmart's total revenue earned from inferior goods?

6.	Suppose the federal government increases the tax subsidy on ethanol given to ethanol producers (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 on the
	market for gasoline blended with ethanol.

7. Suppose there is a technological innovation making it easier and less costly to recycled paper. Describe and illustrate the impact on the equilibrium price and quantity of recycled paper.