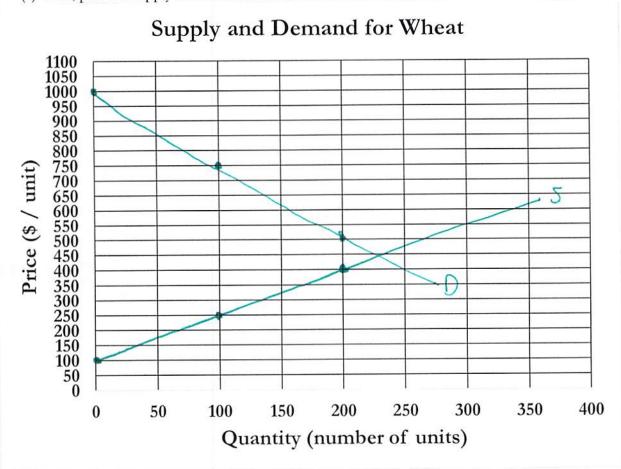
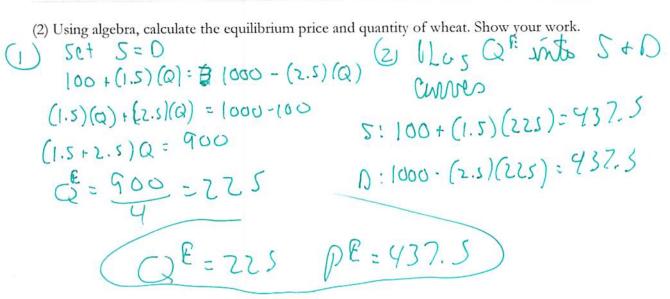
Name KPY

Suppose that the supply and demand for wheat went by the following formulas. These are hypothetical numbers, not meant to reflect the actual quantity and price of wheat.

Supply: P = 100 + (1.5)(QS)Demand: P = 1000 - (2.5)(QD) 0 100 250 150 100 250 150

(1) First, plot the supply and demand curves in the chart below.





## Homework 13

Due by beginning of class on April 21

(3) Suppose the government establishes a price control whereby wheat must be sold at a price of \$600 per unit. Will this cause a surplus or shortage of wheat, or neither?

(4) Suppose the government establishes a price control whereby wheat must be sold at a price of \$200 per unit. What will be the quantity supplied at this price?

Quantity supplied = 
$$\frac{3}{6}(3)$$
 units

(5) Suppose the government establishes a price control whereby wheat must be sold at a price of \$200 per unit. What will be the quantity demanded at this price?

(6) Suppose the government establishes a price control whereby wheat must be sold at a price of \$200 per unit. Will this cause a surplus or shortage of wheat, or neither?

c. neither a surplus nor a shortage

$$QS = (200-100) = 66^{2/3}$$