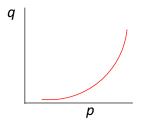
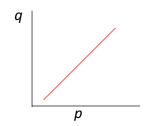
Supply & Demand – NOTES

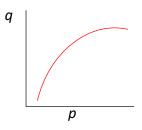
:		Date:
lo manufacturers decid	le the quantity of a produc	t they will produce?
If a business develops	s a new product, the numb	er of items they need to
To answer this questi	on, graphs that compare th	he
are used.		
Athe price, the higher	the demand. As the price ir	shows that the lower ncreases, the demand decreases
q p	q	qp
	Economists often call If a business develops manufacture is a key To answer this questi are used. A the price, the higher to	Economists often call a new, unnamed product If a business develops a new product, the numb manufacture is a key question they need to add To answer this question, graphs that compare to are used. A

o The slopes of demand functions are ______.

• A ______ shows that when a widget sells for a high price, manufacturers may produce more items to maximize profit. If it sells for a lower price, manufacturers may produce less.



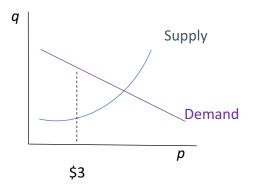




- o The slopes of supply functions are ______.
- Remember that manufacturers sell their items to retailers, not to the general public. The price the manufacturer charges the retailer is the

• The supply and demand functions are often graphed together on the same graph to help determine the price of an item and how much of the item to make.

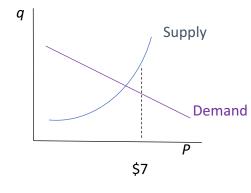
Situation #1: Price = \$3



If an item is priced too low, manufacturers won't be able to meet the demand. (This is bad because they're not making as much money as they could be making).

This is called a ______.

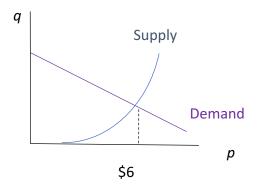
Situation #2: Price = \$7



If an item is priced too high, manufacturers will have too much of that item and will not be able to sell it. (This is bad because they wasted money creating unwanted products)

This is called a ______.

Situation #3: Price = \$6



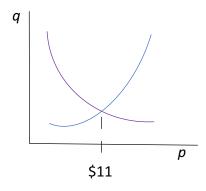
When the supply and demand functions intersect, everyone is happy. ©

This is called ______.

Examples:

1) A company sells teddy bears at a wholesale price of \$23.00. If a store marks this up 110%, what is the retail price?

2) The graph below shows the supply and demand curves for a widget. Explain what happens if the price is set at \$9.00.



3) A company wants to base the price of its product on the demand for that product, as well as on expenses to make it. It takes a poll of several of its current retailers to find out how many widgets they would buy at different wholesale prices. The results are shown in the table. The company wants to use linear regression to create a demand function. What is the equation of the demand function?

Wholesale Price (\$) (p)	Quantity Demanded by Retailers (in hundreds) (<i>q</i>)
13.00	744
13.50	690
14.00	630
14.50	554
15.00	511
15.50	456
16.00	400
16.50	300
17.00	207
17.50	113