



Worksheet 2.3

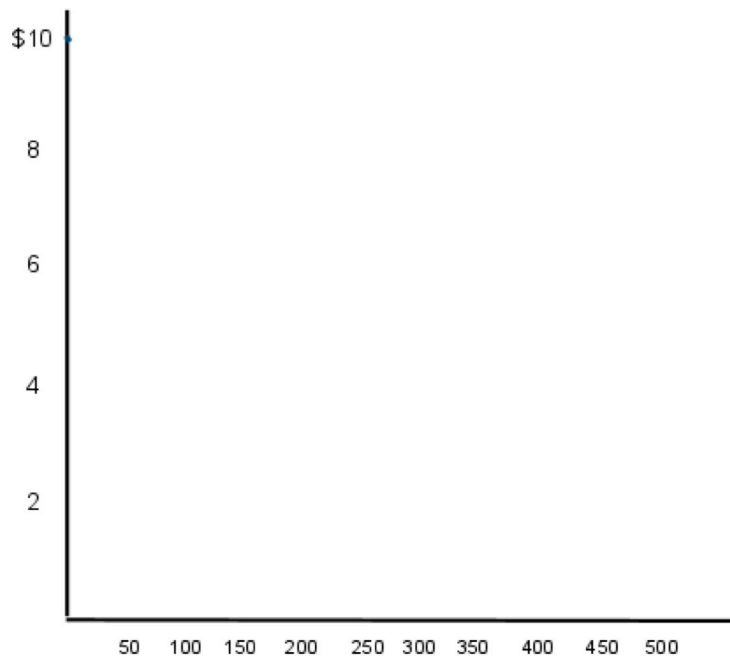
HL Practice with Linear Functions

Linear Demand Functions

Using the following linear demand functions, fill in the appropriate quantities on the demand schedule and then plot the demand curve accordingly.

1. $Q_d = 400 - 16P$

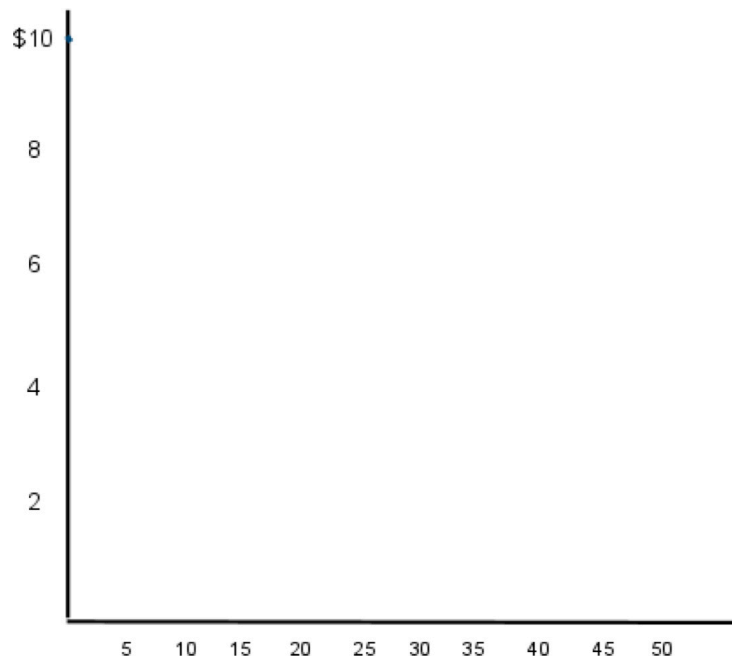
P	Q _d (Q _d = 400 - 16P)
0	
2	
4	
6	
8	
10	





2. $Q_d = 45 - 3P$

P	Qd (Qd = 45 - 3P)
0	
2	
4	
6	
8	
10	



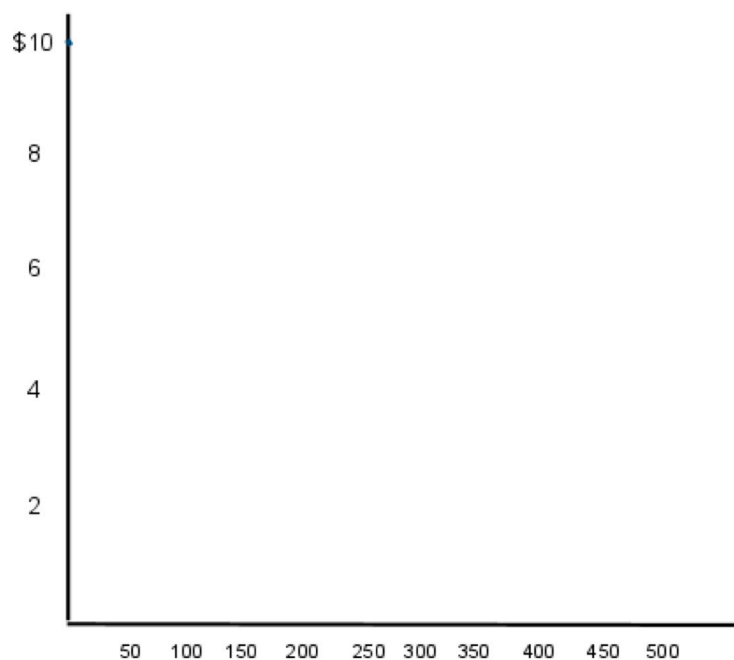


Linear Supply Functions

Using the following linear supply functions, fill in the appropriate quantities on the supply schedule and then plot the supply curve accordingly.

1. $Q_s = -100 + 40P$

P	Qd ($Q_s = -100 + 40P$)
0	
2	
4	
6	
8	
10	

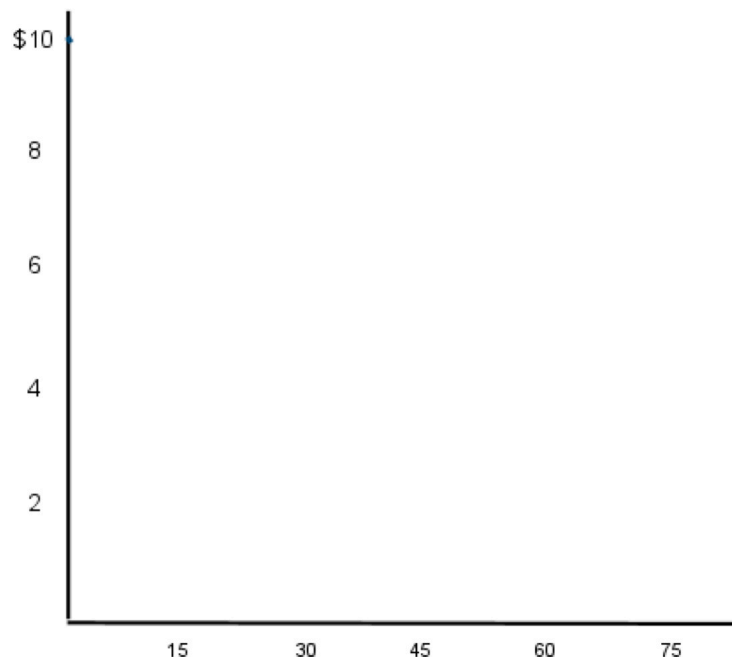




Economics

2. $Q_s = -10 + 7P$

P	Qd ($Q_s = -10 + 7P$)
0	
2	
4	
6	
8	
10	



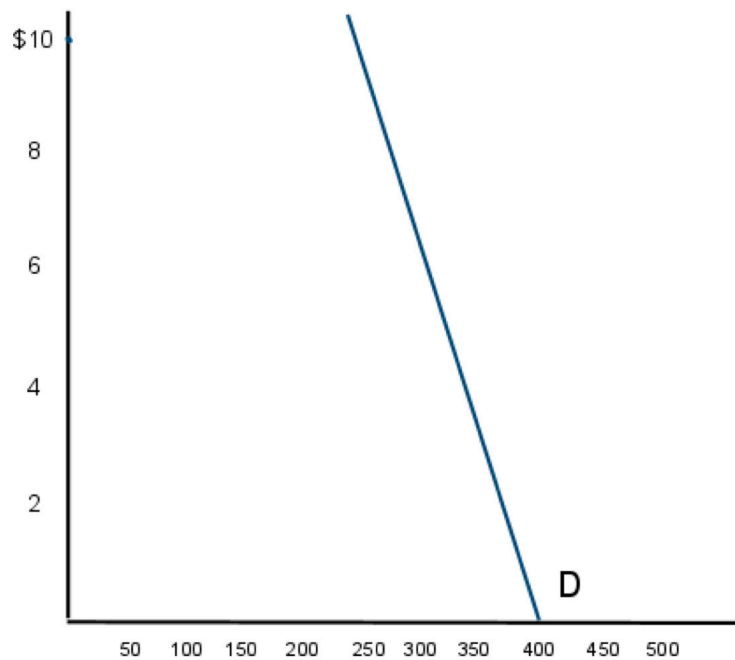


Answer Key

Linear Demand

1. $Q_d = 400 - 16P$

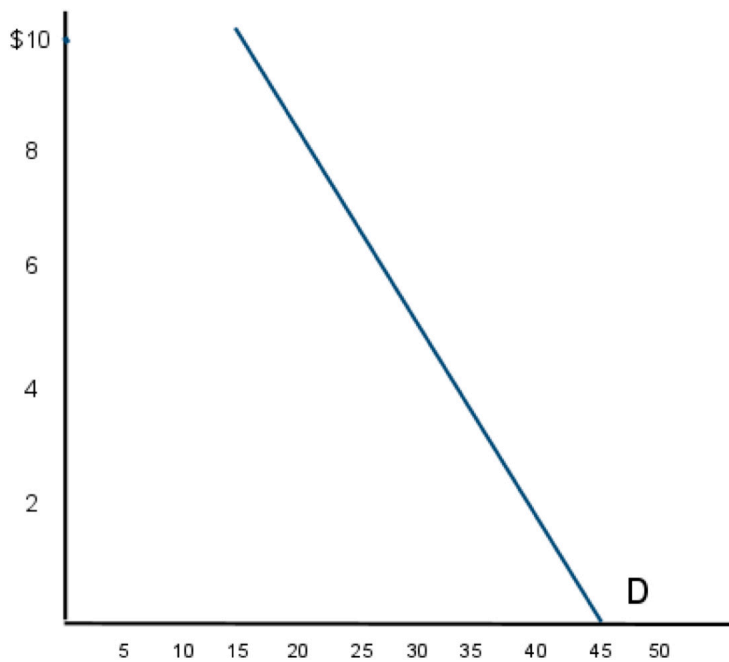
P	Qd (Qd = 400 - 16P)
0	400
2	368
4	336
6	304
8	272
10	240





$$2. Q_d = 45 - 3P$$

P	Q _d (Q _d = 45 - 3P)
0	45
2	39
4	33
6	27
8	21
10	15

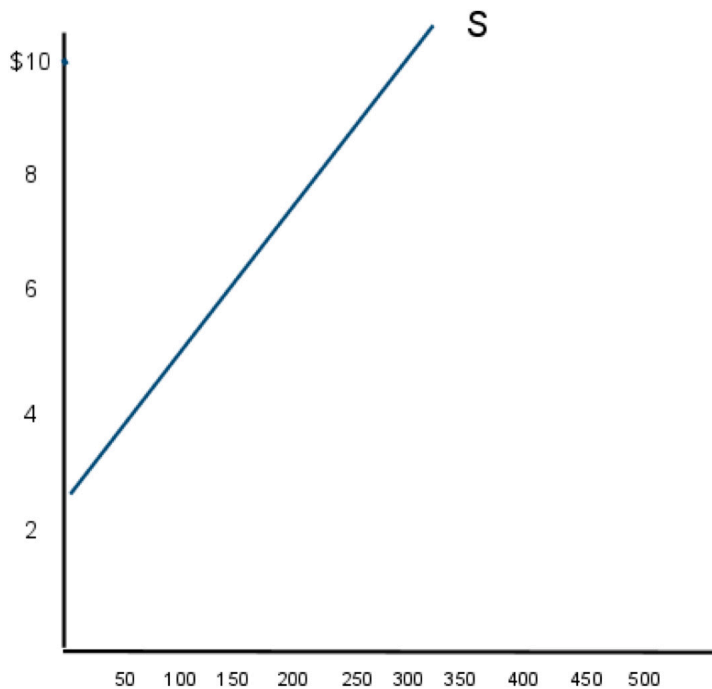




Linear Supply

1. $Q_s = -100 + 40P$

P	Qd ($Q_s = -100 + 40P$)
0	-100
2	-20
4	60
6	140
8	220
10	300





$$2. Q_s = -10 + 7P$$

P	Qd (Qs = -10 + 7P)
0	-10
2	4
4	18
6	32
8	46
10	60

