

## Excel Solution: Supply and Demand

Show on your graph your equilibrium point, equilibrium price and quantity and shortage and excess areas.

- Start your excel table with the following entries and formulae.

price, p	Q <sub>d</sub>	Q <sub>s</sub>
10	=-0.5*A2+80	=2*A2-20
20		
30		
40		
50		
60		
70		
80		
90		
100		
110		
120		
130		
140		
150		
160		

- Copy the formulae from B2:C2 to B3:C17.
- Your table should look like this:

price, p	Q <sub>d</sub>	Q <sub>s</sub>
10	75	0
20	70	20
30	65	40
40	60	60
50	55	80
60	50	100
70	45	120
80	40	140
90	35	160
100	30	180
110	25	200

<b>120</b>	<b>20</b>	<b>220</b>
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130	15	240
140	10	260
150	5	280
160	0	300

- Highlight the area A1:C17. Click on the **chart wizard**. Choose **XY Scatter** option 2. Press **Next** twice. Apply the titles, legend, gridlines in the same way applied in the break-even section. Change graph background to None and adjust price scale's maximum and major values.
- Your final graph should like this:

