

Convex Housing Price Function

Distance from Center (Miles)	Commuting Cost (Dollars)	Housing Expenditure (Dollars)	Housing Consumption (Sq. Ft.)	Housing Price per Square Foot
0	0	\$800	300	2.67
1	50	750	400	1.88
2	100	700	600	1.17
6	300	500	750	0.67
12	600	200	1000	0.20
16	800	0	—	—