Bid Rent of Manufacturing Firms,-Fixed Factor Proportions

	ř					
	u) K) -	٠ -	(INTITIES TO KORD)	Distance
	\$250	\$250	\$250	\$250	'enue	
	\$130	\$130	\$130	\$130	Production Cost	Non-Land
	\$60	\$40	\$20	0	Freight Cost	
	\$60	\$80	\$100	\$120	WTP for Land	
	2	2	2	2	(Acres)	Size of Site
Management of the Park of the	\$30	\$40	\$50	\$60	Bid Rent Per Acre	

- (a) Total Revenue = 5 bikes x \$50 price per bike = \$250
- (b) Assume non-land production cost = \$130
- (c) Freight Cost of Bikes = Cost to ship one bike, one mile (\$4) multiplied by output (5 bikes) = \$20 per mile
- (d) WTP willingness to pay

Bid Rent of Manufacturing Firms--Input Substitution

	t.) K) <u>-</u>	٠	(IVITIES TO KOAD)	Distance
to the second se	\$250	\$250	\$250	\$250	lotal Kevenue	j
2 2	\$30	\$70	\$110	\$150	Production Cost	Non-Land
	\$60	\$40	\$20	0	Freight Cost	
	\$160	\$140	\$120	\$100	WTP for Land	
	2.0	1.5	1.0	0.5	(Acres)	Size of Site
	\$80	\$93	\$120	\$200	Bid Rent Per Acre	

Bid Rent Function of Office Firms--Fixed Factor Proportions

	Λ ⊢	- (0	(Proces Hom Center)	Block from Contact	Distance
4	4 4	z 1	7	(FIOOTS)		Building Height
\$500	\$500	9000	9000	Kevenue	j	Total
\$100	\$100	\$100	9100	Cost	Tona volume	Capital
\$150	\$150	\$150	9	Land Costs	TION TANK	Other Mon-
\$200	\$36	\$0		Cost	TAAPT	Traval
\$50	\$214	\$250	- Carro	land	TOT IT AA	WITD for
0.25	0.25	0.25	(CATOTA)	(Acres)	TOL DIZE	T C:
\$200	\$856	\$1,000	TOTAL TOTA	Der Acre	Bla Kent	j.

costs increase with distance from the center. It is concave because travel costs increase with distance at an increasing The bid rent curve is negatively sloped and concave to the origin (bowed outward). The slope is negative since travel rate. The further from the center the greater the increase in travel cost and the greater the reduction in rent