

Cost Curve Summary: Monopoly

Firm Produces where $MR=MC$. If...

price is	firm will	because	Acct Profit?	Excess Profit?	Industry
$> ATC$	produce	rectangle showing total revenue is greater than that showing total cost	yes	>0	stable
$= ATC$	produce	rectangle showing total revenue is same size as that showing total cost	yes	0	stable
$<ATC, >AVC$	produce now, shut down in l.r.	rectangle showing total revenue is smaller than rectangle showing total cost, but larger than that showing total variable cost (i.e, some of the fixed costs are being covered)	maybe	<0	firm will eventually leave and industry will cease to exist
$<ATC, =AVC$	indifferent now, shut down in l.r.	rectangle showing total revenue is smaller than rectangle showing total cost, and it is the same size as that showing total variable cost (i.e, will lose all fixed costs regardless of whether they produce or not)	maybe	<0	firm will eventually leave and industry will cease to exist
$<AVC$	shut down now	rectangle showing total revenue is smaller than rectangle showing total cost, and it is smaller than that showing total variable cost (i.e, if produce, losses exceed fixed costs; if don't produce, losses equal fixed costs)	maybe	<0	firm will immediately leave and industry will cease to exist

Allocative Efficiency? No, since firm is not a price taker and can therefore restrict Q and/or raise P .

Productive Efficiency? No, since production can never come to rest at point where ATC is minimum.