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- (a) A decrease in early demand. The price decline in first three month, it has course a short- (or equils brown to decrease in demand.
 - Constant cost in dustry. The price in 1900 and 1995 are the came, it \$2
 - C) when price = 11, from s are losing money, they exit the industry. It were pare to rise and firms stop eviting however, as the demand is decrease, producer will be lower.

2. a) LRATC(B) _ (RTC(B) =)

lorg-com equilibrium Q

p= min(LR ATC) = r

D(p) = d - Br

b) (arnot

(RM((a) = derc(a) =)

... LR.Me and LRATC is horizontal, it can produce any quantity so can't detectionine the number of firms.

Q3.
a) LRTC(Q) =
$$\frac{Q^2}{4}$$
 = $\frac{q}{q}$.
LRMC(Q) = $\frac{1}{2}Q \xrightarrow{\text{prop}t} \frac{1}{2}Q = p$
=) $Q = 2q$

-For girm to produce:

$$P \gg ANSC = \frac{Q^2}{4Q} + \frac{9}{Q}$$

$$=\frac{2p}{4}+\frac{g}{2p}\geq 19$$

$$S(p) = 2p (p > \sqrt{q})$$

- Supply junction q in q in the market:

$$S_n(p) = 2np(p \gtrsim \sqrt{g})$$

$$O(p) = S_n(p)(3) 2np^2 = \sqrt{0,000}$$

 $O(p) = S_n(p)(3) 2np^2 = \sqrt{9}$
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b)
$$D(g) = \frac{1000}{9}$$

 $-As p^{+} = \sqrt{g} | S(g) = P(g) = \frac{1}{2}$
 $\Rightarrow g = \frac{1000}{9}$
 $\Rightarrow g = 100$
 $\Rightarrow p^{+} = 10$
c) $D(p) = S_{n}(p)$
 $25.600 = 2np$
 $\Rightarrow p = \frac{12}{9}$
 $\Rightarrow p = \frac{12}{9}$

- 160 - 80 $p^* = 12.65$ d) [n creas by - cost