Week 12
(A)
MR =
$$100-29=20=MC$$

 $\Rightarrow 9^{*}=40$. $P^{*}=60$ ML = $\frac{60-20}{60}=\frac{2}{3}$

$$\frac{1}{2}(40 \times 40) = 800$$

$$\frac{P-MC}{P} = \frac{60-20}{60} = \frac{2}{3}$$

(D)
MR = MC+10

$$150 - 59 = 30 \Rightarrow 9^{*} = 35, P^{*} = 65$$

 $A = (35 \times 65) - (30 + 20 \times 55) - (10 \times 35) = 1,195$

5.

$$MR = P[1 - \frac{1}{Ed}]$$

 $\Leftrightarrow MR = 4MC[1 - \frac{1}{Ed}]$
 $\Leftrightarrow MC = 4MC[1 - \frac{1}{Ed}]$
 $Ed = \frac{4}{3}$

6. 對。設
$$P = a - bq$$
,則 $MR = a - 2bq$

$$MR = Hc + t \iff a - 3bq = k + t \iff q^* = \frac{a - (k + t)}{2b}$$

$$P^* = a - \frac{a - (k + t)}{2} = \frac{a + (k + t)}{2}$$