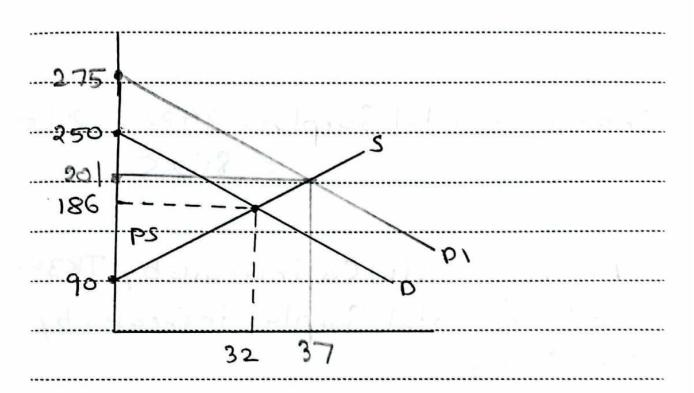


Thus, price rises from P, to P2 and quantity falls from Q, to Q2 so the answer is (iii).

Question 3

At equilibrium, Qd = Qs, 250 - 2Qd = 90+3Qs

Question 3



A) When Qd=0, P= 250-(0)2 = 250

When Qs=0, P=90+3(a) =90

Producer Surplus = 1 x b+h

 $=\frac{1}{2} \times 32 \times (186 - 90)$ 

= 1536 (Ans'.)

B) At new equilibrium, (Di)

275-20 = 90 + 30

-50 = -185

Q = 37

P= 275 -2(37) = 201

 $01d C-S_{-} = \frac{1}{2} \times 32 \times (250 - 186) = 1024$ 

New C.S. =  $\frac{1}{2} \times 37 \times (275 - 201) = 1369$ 

Change in C.S. = New C.S. - Old C.S.

= 1369-1024

Old Total Surplus = 1536 + 1024 = 2560

New P.S. = 1 x 37x (201-90) = 2053,5

New Total Surplus = 1369+2053,5 = 3422,5

Change in Total Surplus = 3422,5-2560 = 862,5
- Answer is (ii) CS increases by TK345
and (iv) Total Surplus increases by
TK. 862,5.
c) - 1. change in CS. = New CS-Old CS_x100.
= 1369-1024 ×100
= 33,69~34.1.
Answer: False,
(2011) 25 61
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