$D \Rightarrow p = 100 - q$

$S \Rightarrow p = q + 20$

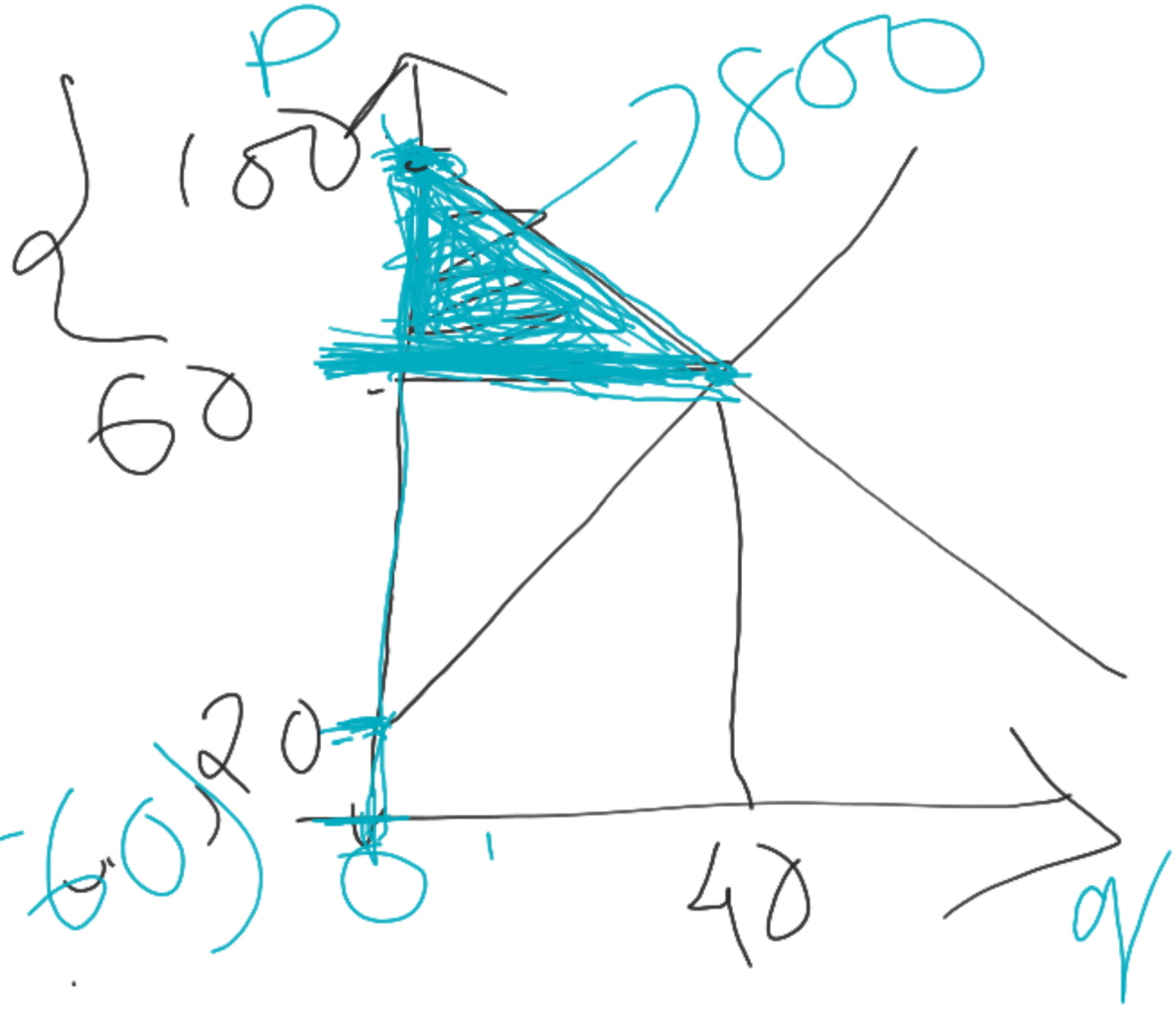
To find CS

CS = Area of Δ

$= \frac{1}{2} \times 40 \times (100 - 60)$

$\therefore = \frac{1}{2} \times 40 \times 20 = 800$

$\therefore$ CS



PS = Area of Δ

⇒ Supply ⇒

$P = q + 20$

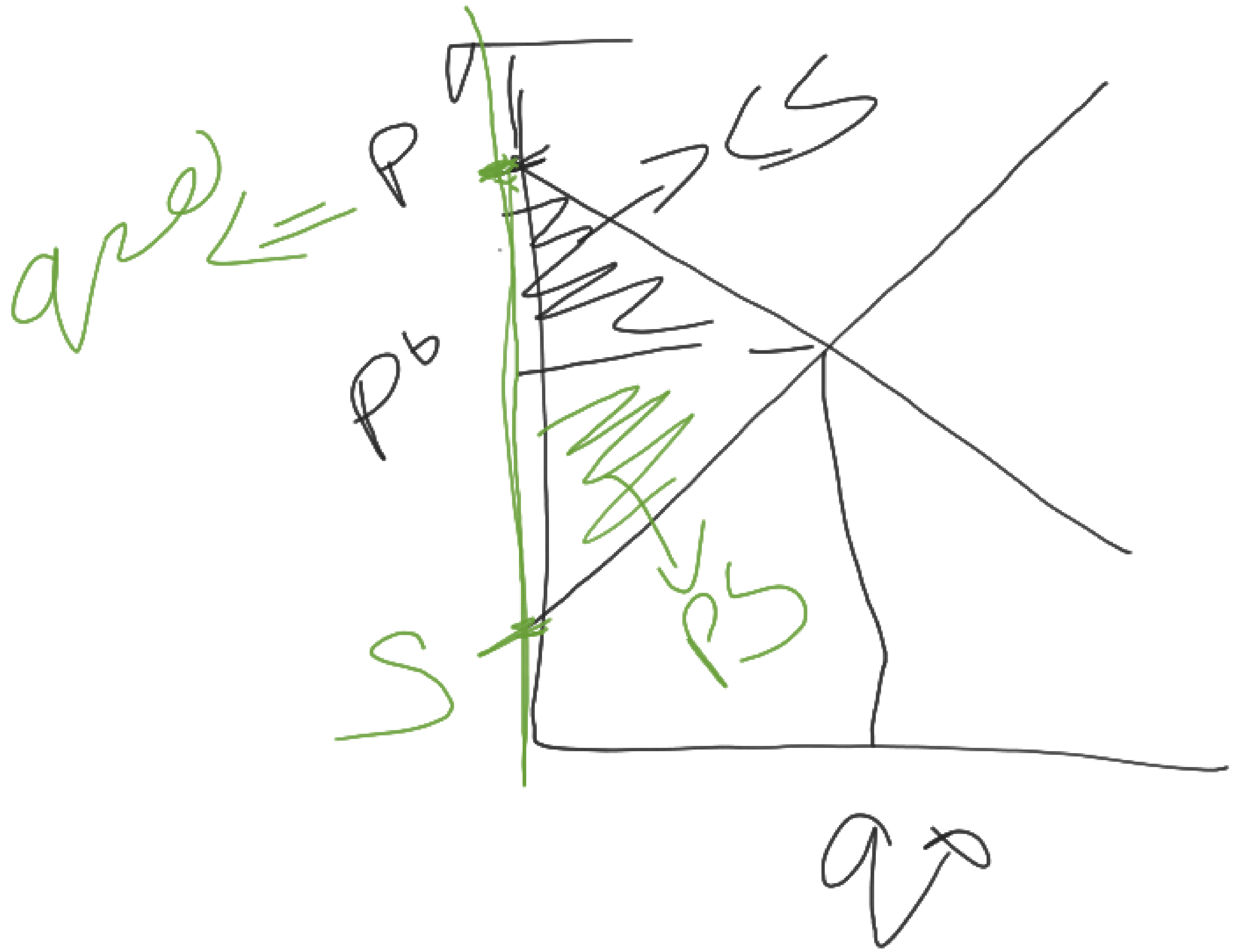
$q = 0 \Rightarrow P = 20$

$PS = \frac{1}{2} \times 40 \times (60 - 20)$

$= 800$

TS = PS + CS

= 1600


P
CS
Pb
PS
S
ar
q*

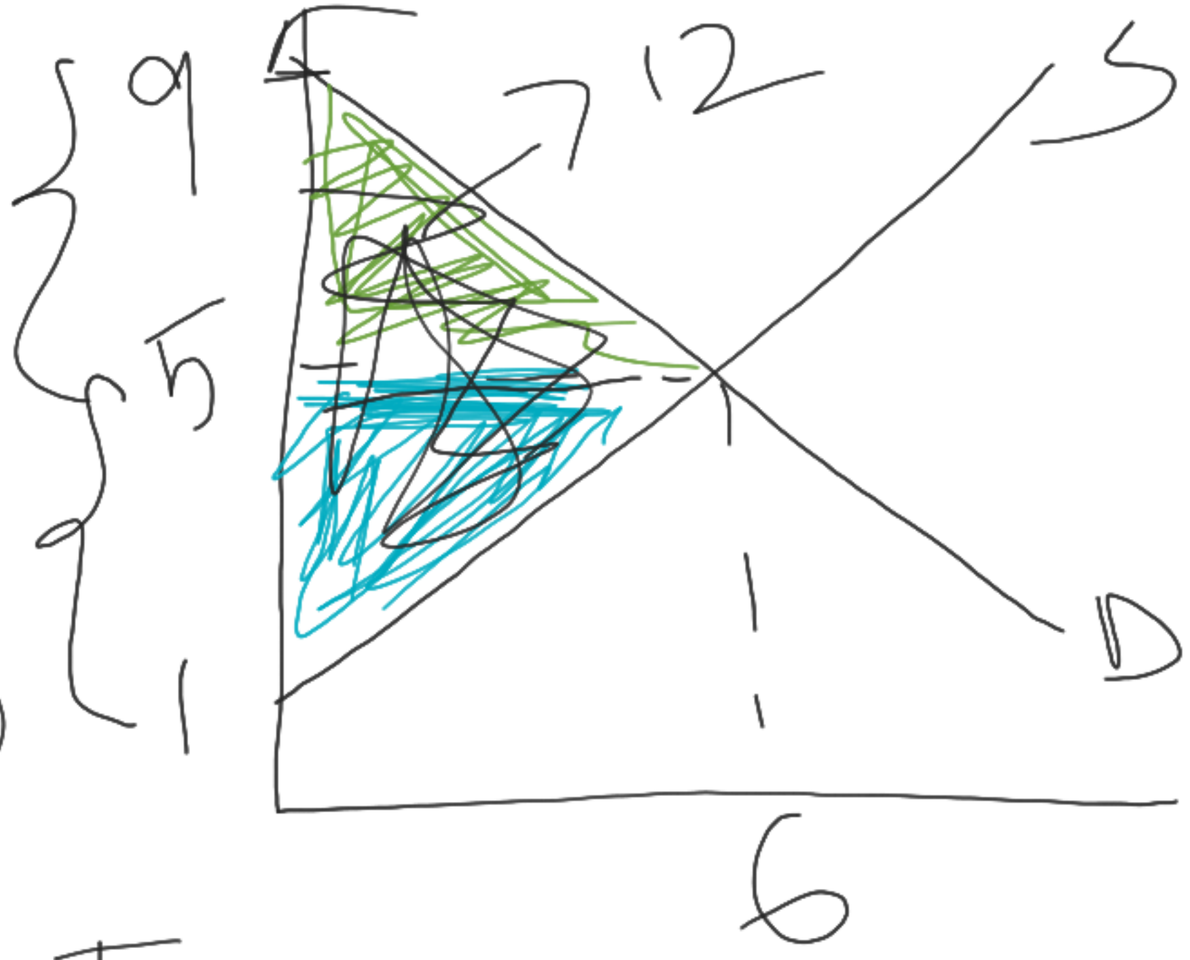
$$CS = \frac{1}{2} \times 6 \times (9-5)$$

$$= \frac{1}{2} \times 6 \times 4^2$$

$$= 12$$

$$PS = \frac{1}{2} \times 6 \times (5-1)$$

$$= \frac{1}{2} \times 6 \times 4 = 12$$



$$TS = 12 + 12$$

$$= 24$$

CS ⇒

$\frac{1}{2} \times 3 \times (9 - 7)$

$= \frac{1}{2} \times 3 \times 2 = 3$

PS ⇒ $\frac{1}{2} \times (4 + 6) \times 3$

$= \frac{1}{2} \times 10 \times 3$

$= 15$ TB $= 15 + 3$

$= 18$