































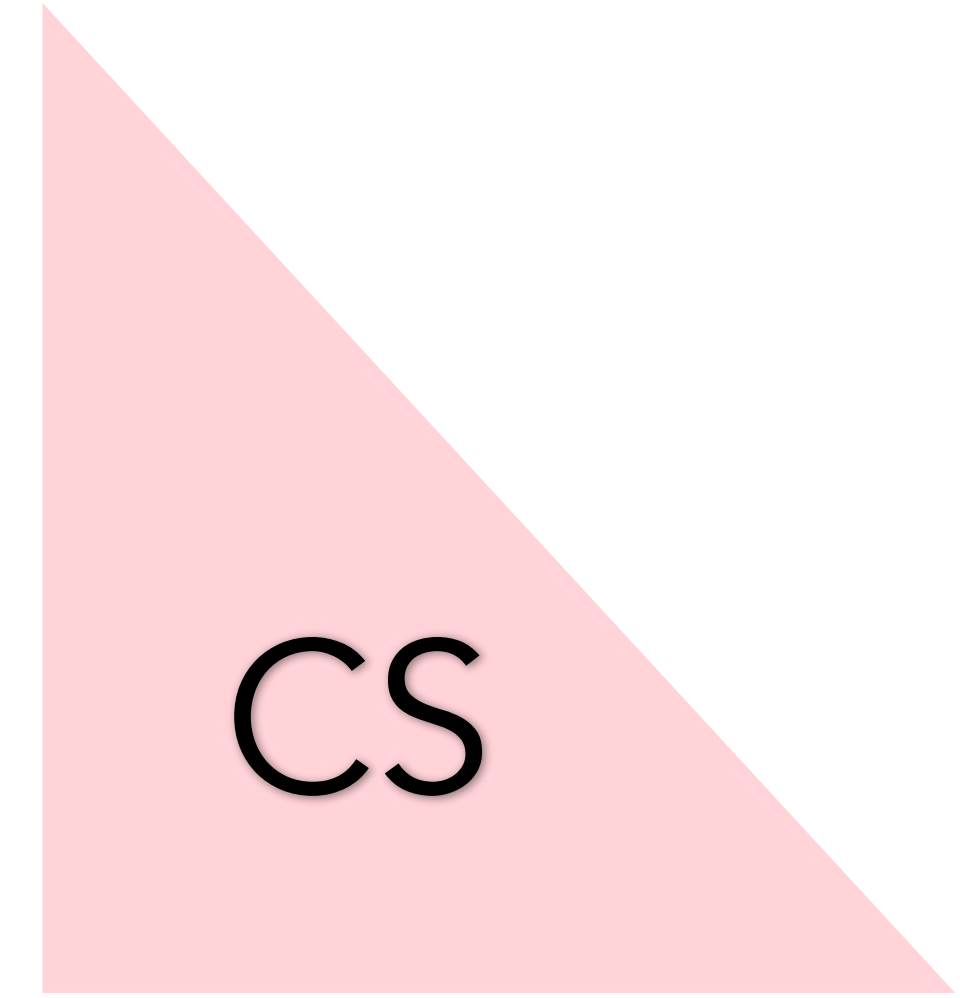






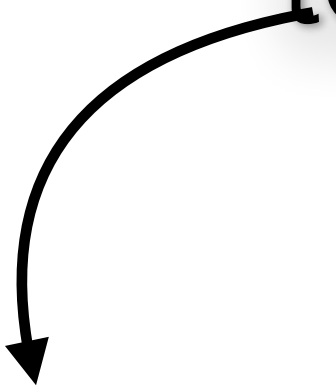


Consumer  
Actually  
pays  $40 \times 7$



CS

The difference between “value”  
to the consumer and what s/he  
actually pays is Consumer  
Surplus









Consumer  
buys 7 units

110

100

90

80

70

60

50

40

30

20

10



40



If the price is 40  
per unit

$$\text{Area} = \frac{(\text{Base} \times \text{Height})}{2}$$

To calculate Consumer Surplus, we can also calculate the area for this triangle:

The area of a triangle is calculated  
using the formula:



Height

CS

Base

0

110

40

0

7

110



$$CS = \frac{7 \times (110 - 40)}{2}$$

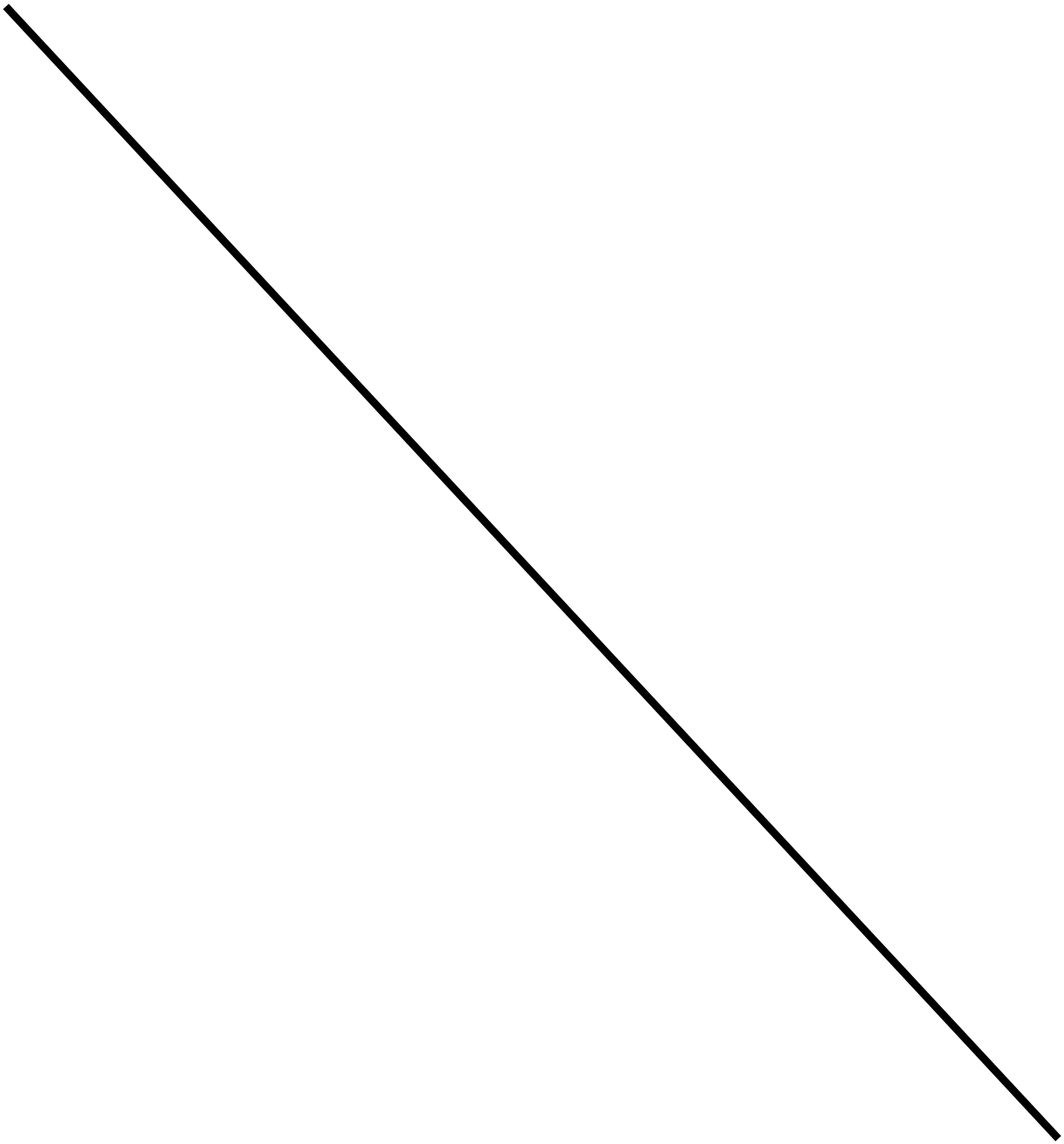
$$CS = \frac{7 \times 70}{2}$$

$$CS = \frac{490}{2}$$

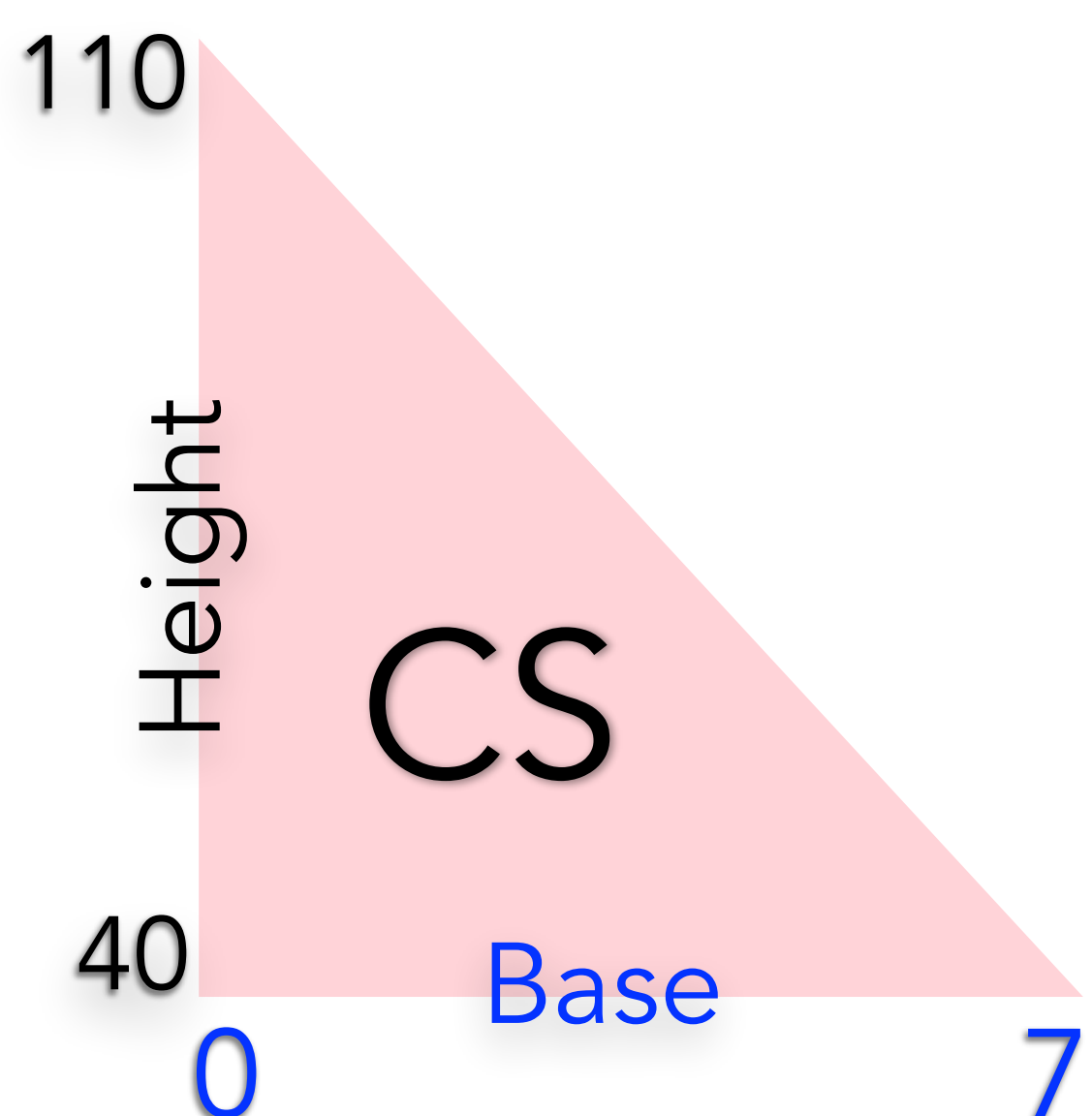
$$CS = 245$$



245



To calculate Consumer Surplus, we can also calculate the area for this triangle:



The area of a triangle is calculated using the formula:

$$\text{Area} = \frac{(\text{Base} \times \text{Height})}{2}$$

$$\text{CS} = \frac{7 \times (110 - 40)}{2}$$

$$\text{CS} = \frac{7 \times 70}{2}$$

$$\text{CS} = \frac{490}{2}$$

$$\text{CS} = 245$$

