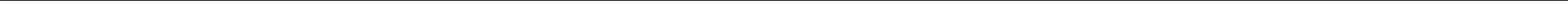
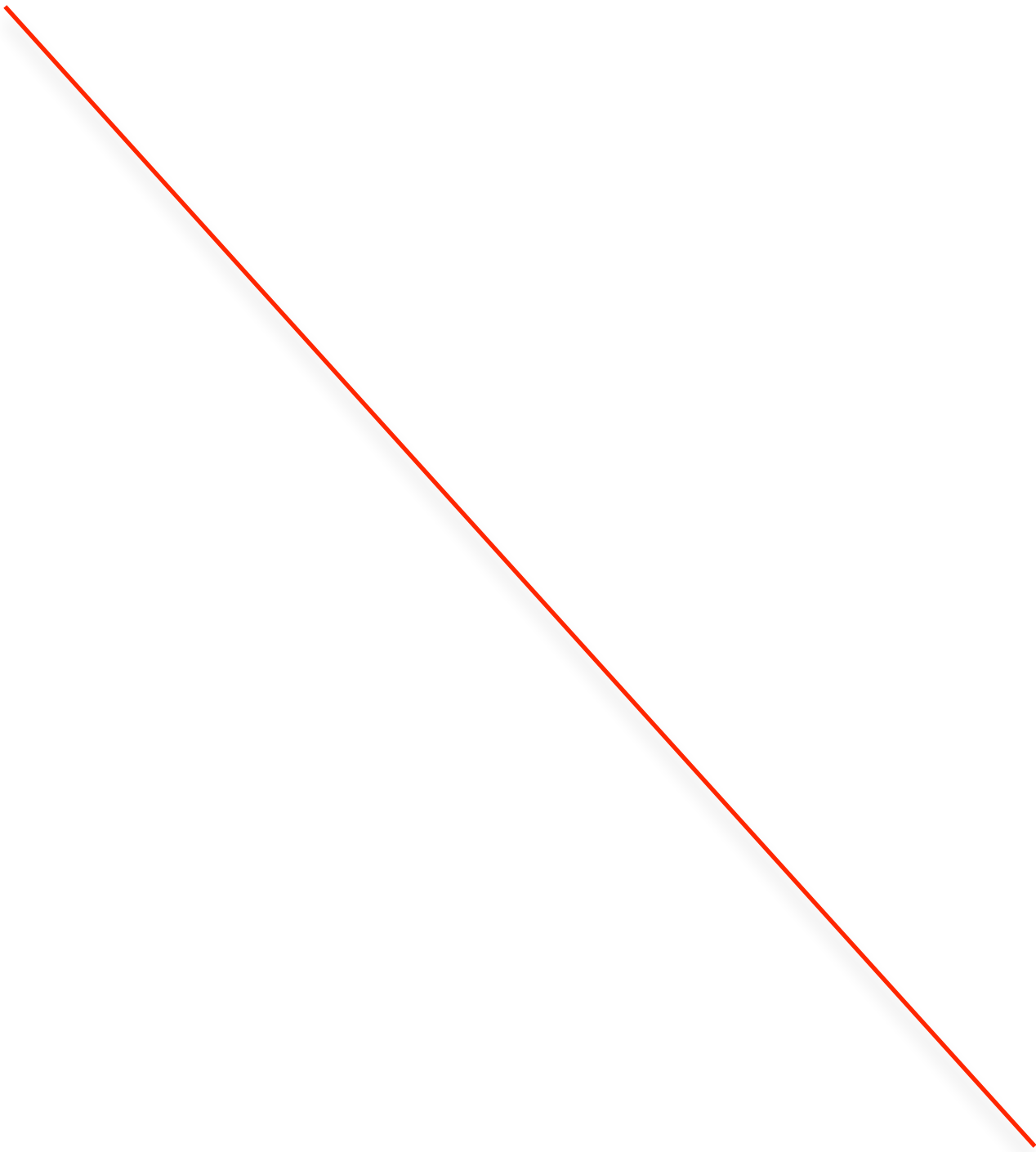




5

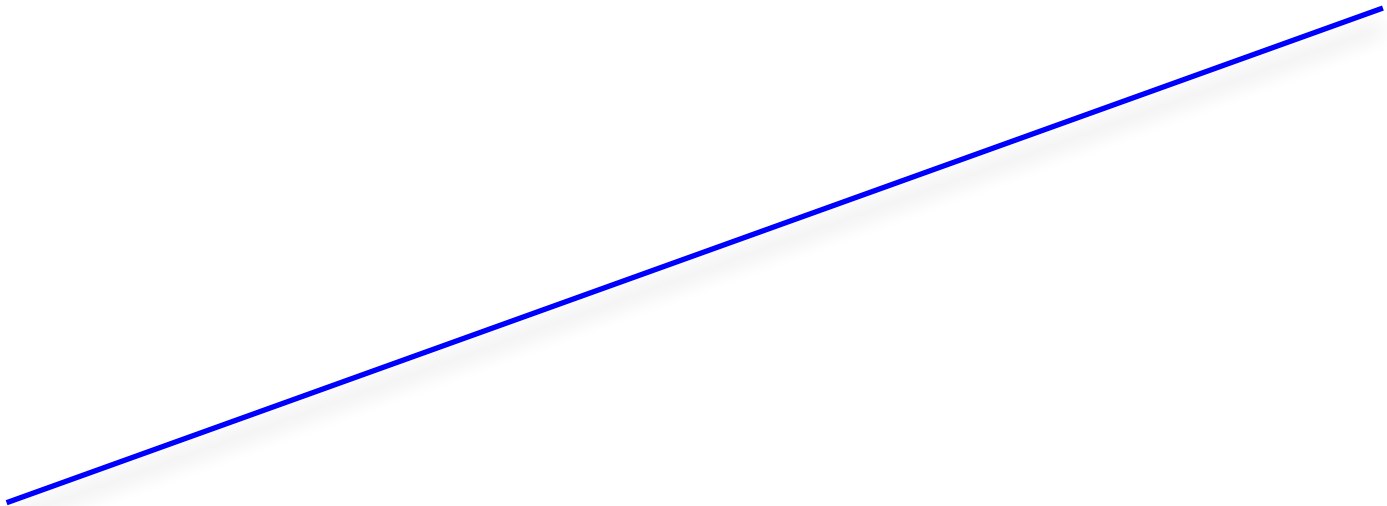
2







S



$$P_e = 11$$



25

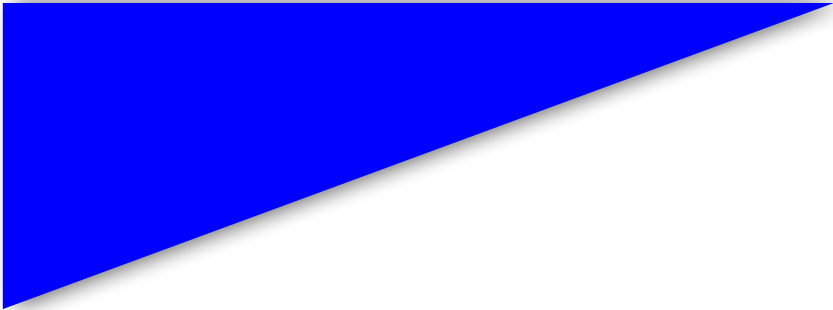
4





20









# Consumer Surplus

Area *below demand* and above the price the  
consumer pays

# Producer Surplus

Area *above supply* and below the price the producer receives

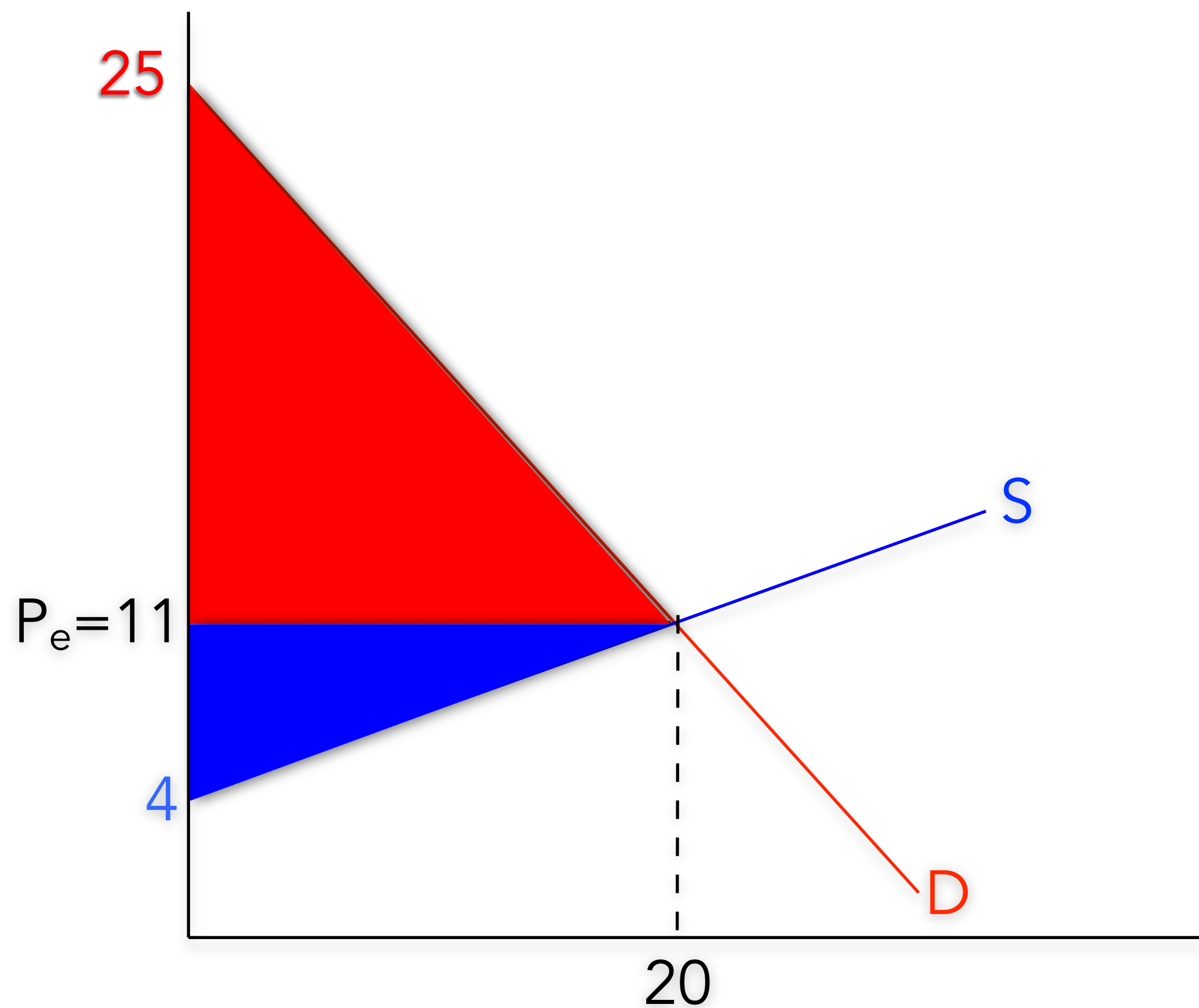
$$= (25-1) \times 20 \times 1/2$$

$$= (11-4) \times 20 \times 1/2$$

= \$140

= \$70





## Consumer Surplus

Area *below demand* and above the price the consumer pays

$$\begin{aligned} &= (25 - 11) \times 20 \times 1/2 \\ &= \$140 \end{aligned}$$

## Producer Surplus

Area *above supply* and below the price the producer receives

$$\begin{aligned} &= (11 - 4) \times 20 \times 1/2 \\ &= \$70 \end{aligned}$$

