

Week 15

$$(1) (A) \quad 60 - 2q = 30 \Rightarrow q = 15 \Rightarrow P = 45 \Rightarrow \pi = 45 \times 15 - 30 \times 15 = 225 = PS$$

$$CS = 15 \times 15 / 2 = 112.5, \quad TS = 225 + 112.5 = 337.5, \quad DWL = 112.5$$

$$(B) \quad 60 - q = 30 \Rightarrow q = 30 \Rightarrow \pi = 30 \times 30 / 2 = 450$$

$$(C) \quad CS = (10 \times 10 / 2) + (10 \times 10 / 2) = 100$$

$$TS = 100 + 300 = 400$$

$$DWL = 450 - 400 = 50$$

$$(D) \quad \pi = (7.5 \times 7.5 / 2) + (7.5 \times 7.5 / 2) + (7.5 \times 7.5 / 2) = 84.375$$

$$TS = 84.375 + 337.5 = 421.875$$

$$DWL = 450 - 421.875 = 28.125$$