1.

(A) $MR = MC$ $TV = 15 \times 15 = 225$

$60 - 2q = 30$

$2q = 30$

$q = 15$ $P = 45$

(B)

$P = MC$

$60 - q = 30$

$q = 30$, $P = 30$

$\pi = \dfrac{30 \times 30}{2} = 450$

(C)

(D)