Week 8

1. $\quad P = SMC \quad 15 = 3q^2 - 12q + 15 \quad q = 4$

$\pi = 15 \times 4 - \cancel{64} \ TC(4) = 30$

$AVC = q^2 - 6q + 15 \Rightarrow \dfrac{dAVC}{dq} = 2q - 6 \quad q_q^* = 3$

AVC 最低 min $AVC \Rightarrow 3^2 - 6 \times 3 + 15 = 6$

$P = SMC \Leftrightarrow 3q^2 - 12q + 15 = P \quad P \geq 6$ 及 $q = 0, P < 6$

②.