

Control Exam

Arian

Hackford

$$3ii) \quad 15 \times 0.85 = 12.75$$

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$$E_{ss} = \theta_i \left(\frac{G-1}{1+GH} \right)$$

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$$= \theta_i \left(\frac{12.75 \times 0.35 - 1}{1 + (12.75 \times 0.35 \times 0.8095)} \right)$$

$$E_{ss} = -0.033 \theta_i$$

36) Time constant is RC