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$$(a) \quad I = \frac{U}{R+r}$$

$$(R+r) \cdot I = \frac{U}{\cancel{R+r}} \cdot (R+r)$$

$$(R+r) \cdot I = U$$

$$R \cdot I + r \cdot I = U$$

$$r \cdot I = U - RI$$

$$r = \frac{U - RI}{I} \quad \left(= \frac{U}{I} - \frac{RI}{I} = \frac{U}{I} - R \right) \quad (\underline{\underline{\text{Svar}}})$$

$$(b) \quad K = \frac{15(D-d)}{b}$$

$$b \cdot K = \frac{15(D-d)}{\cancel{b}} \cdot \cancel{b}$$

$$bK = 15(D-d)$$

$$bK = 15D - 15d$$

$$15d = 15D - bK$$

$$d = \frac{15D - bK}{15} \quad \left(= \frac{15D}{15} - \frac{bK}{15} = D - \frac{bK}{15} \right) \quad (\underline{\underline{\text{Svar}}})$$