Nolan Anderson

Miduk 5 Quiz

VBE - .72 = .025
$$Im(\frac{6.8}{4.5})$$

VBE = .025 $Im(\frac{6.8}{4.5}) + .72$

$$\beta = \frac{IL}{IB} \quad \beta = 150 \quad \alpha = \frac{150}{151} = .99$$

$$V_{E} = 4 - .75$$
 $V_{E} = 3.25V$
 $T_{E} = \frac{3.25}{3.363}$
 $.984 \text{ m A}$