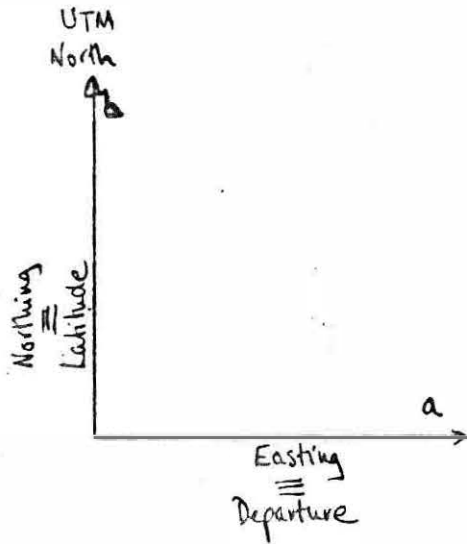


CONVERSION OF U.T.M. COORDINATES
TO K.A. COORDINATES

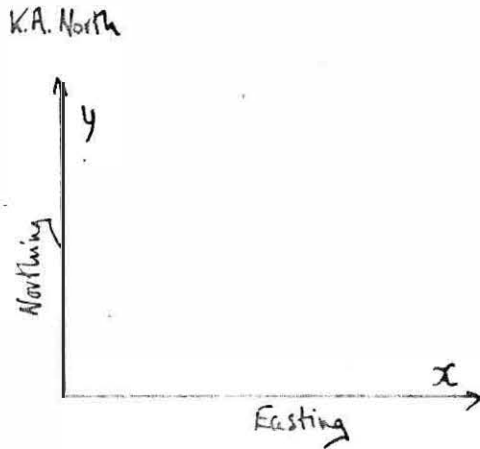


$$y = -877,600.07 + (b \cdot \cos \theta) - (a \cdot \sin \theta)$$

$y =$ K.A. northing

$$x = -609,322.18 + (a \cdot \cos \theta) - (b \cdot \sin \theta)$$

$x =$ K.A. easting



where $\theta = 1^\circ 34' 25'' \approx 1.5736111^\circ$

$\therefore \cos \theta = 0.9996229$

& $\sin \theta = 0.0274612$

1:10,000 accuracy

N.B. for U.T.M. northing

eg. 6,905,000 remove the 6 million for the above formula

i.e. it reads 905,000

