26.7 cde

Then trig-sub $u = a^* \sin \theta$, $du = a \cos (\theta) d\theta$ $= \frac{1}{a} \int \frac{1}{\cos \theta} d\theta$ $= \frac{1}{a} \int \frac{1}{\cos \theta} d\theta$ $\phi(\theta_2) - \phi(\theta_1) = -\left[\alpha_{\Gamma}(\sin(\frac{y}{\alpha}))\right]^{(ot(\theta_2))}$ Suppressing bounds and letting the P(D,) absorb thedifferences we see that $\phi\left(\theta_{2}\right) = \phi\left(\theta_{i}\right) = \alpha \left(\cos\left(\frac{u}{\eta}\right)\right)$ $\phi(\theta_z) - \phi(\theta_1) = \alpha_1 \cos\left(\frac{\epsilon_0 t(\theta)}{\alpha}\right)$ (6): a (05 (\$(@2)-(@1) = cot (@)