

dt

$$= 2 S(x-1) dx$$

2

$$= (\chi - 1)^2 + C.$$

$$V^2 = (x - 1)^2$$
.

: t= ln(x-1), 271.

$$(x) \cdot v = - \int (x-1)^2$$

 $= \pm (\chi - 1).$

 $dx = \kappa - 1$

dt

dx



 AP^2 $COSA = a^2+b^2-2bc\cos A$.

76). fan # = 0A. COSA = &2+62 - a2

2bc.

[: OA=h.]

tand= op

(.. op = h cotd.)

· AP2= h2+(hcotx)2- &costs 2x hx hcosxxcos #

 $= h^2 + h^2 \cot x - 2h^2 \times \cos x + \frac{1}{2}.$

.. AP = h2 + h2 cot2h - h2 cosd.

[... TA= J2 K.

sind = th

· . / + P = sind.

APZ= (VOX)

coso= (\superset 2 h)2 + (\superset 2 ind)2 - AP2

2 x V2h x six.

= 2h2 + sin2d - [h2+h2cot2h-h2cosd] missid.

 $= \frac{2\sqrt{2}h^2/\sin \lambda}{1 + \sin^2 \lambda} - h^2 \cot^2 h + h^2 \cos \lambda \times \sin \lambda$



= 12 [1 + sind - cot2h + cosd] x sind 2 12/2
= $\frac{\sinh t}{2\sqrt{2}} \frac{1}{2\sqrt{2}} \frac{-\cos^2 h}{2\sin h} + \frac{\sinh \cos h}{2\sqrt{2}}$.
252 25 sind 25 sinh 252.