THE POLICE OF TH
$\frac{1}{2} \frac{\partial}{\partial x} = \frac{1}{2} \frac{\partial}{\partial x} = \frac{1}$
ma1. a) $y = x^2 + 1$ Date 1 A HAKM  Page 1
(0, 10) + X + 11 - 3× dx
$\frac{5}{12} = \frac{1}{12} (x-0)$ $\frac{5}{12} = \frac{1}{12} (x-0)$ $\frac{5}{12} = \frac{1}{12} (x-0)$
$\frac{1}{2} \frac{1}{2} \frac{1}$
$\frac{1}{1} \frac{1}{1} \frac{1}$
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$dz = i e^{i\theta} d\theta$ $= e^{-i\theta} d\theta$ $Z = e^{i\theta} d\theta$ $Z = e^{i\theta} d\theta$ $Z = e^{i\theta} d\theta$
$= e^{-i\theta}d\theta.$ $= e^{-i\theta}d\theta.$ $I = e^{-i\theta}d\theta.$ $I = e^{-i\theta}d\theta.$
$\frac{\partial}{\partial \theta} = \frac{\partial}{\partial \theta} = \frac{\partial}$
b) 12-11=1
Z-1 = e <sup>i0</sup>
$=1+e^{i\theta}$
$\frac{dz = i e^{i\theta} d\theta}{\overline{z} = 1 + e^{-i\theta}}$
$I = \int_{-\pi}^{\pi} (1 + \bar{e}^{i\theta})^2 i e^{i\theta} d\theta.$
- lierda.
e.g.  2+i =3
$z = i + 3e^{i\theta}$
8. $L = \left(\frac{z'(t)}{at}\right)$
9. curve is aircle of radius R.
9. <u>Curve is circu</u> L = 2NR





