9.64	a. In class we showed that
	Y i's minhou sufficient for M.
	also, we have
	TEM = To Y'- In
	$= Vor y + (Ey)^2 - \pi$
	$= \frac{1}{4} + M^2 - \frac{1}{4} = M^2$
	b. For X~ N(h,6)
	ZX = M4 6 m 62+ 364.
	=> Var (M) = Ver (J - h)
	$= \mathbb{E}(\hat{y} - \hat{h}) - \mathbb{I}^2$
	= E74-2 (h+m2) 7E72 + (h+m2)2
	T 7 = M4 + 6. M2 + 3 12
	TEX2 = Mith
	$= \frac{1}{2} Vor(M) = 4 \mu^2 + 2 \frac{1}{2}$

10.6 (a).
= 1 - P( y=18  < 4   P=.5) $= 1 - P( y=15 , 16, 17, 18, 19, 20, 21   P=.5)$ $= 0.243.$
$\frac{(b)}{b} = \frac{P(Y+8) < 4}{P = 0.7}$ $= 0.092.$
10.18 Ho: M=13.20 Ha: M 3.20</th
Rejection relation at $\Delta = 0.01$ is. $\frac{y-13.20}{2.5/540} = \frac{20.01}{3.5}$
$\Rightarrow$ puthing in the value of $\hat{y} = 12.20$ .
-2.52 < <del>20.0 =2.33</del>
Therefore, me reject 1-10.