	Today's punchline:
	Assume:
	Y: 10,02 ~N(0,02)
(3)	$9 10^2 \sim N(\mu_0, 0^2/\kappa_0)$ $1/\sigma^2 \sim gamma(\frac{\nu_0}{2}, \frac{\nu_0}{2}, \frac{\nu_0}{2})$
	2 2
	then the posterior
	· · · · · · · · · · · · · · · · · · ·
	p(0,02 ly,,yn)
	$= p(\theta \sigma^2, y_1, \dots, y_n) p(\sigma^2 y_1, \dots, y_n)$
	dnorm(0; Mn, En) diny gamma (02; Vn, Vn on2)
	dnorm(0; Mn, En) diny gamma (0; 2, 2)
	"full cond'l postrior of E"
	Today's agenda:
	(1) sketch proof for p(o2/y,, yn) (2) sample from posterior
	(2) sample from " posterior
	(3) sample from posterior predictive p(g/y,,yn)
	e (time permitting)
	Interpretation:
	Ms: prior guess for A
	502: prior quess for 52
	Ko: prive sample size for O
	Vo : prive sample size for Vo