	Today's punchline:
	Assume:
	Y: 10,02 ~N(0,02)
	θ 102 ~ N(μο, σ <sup>2</sup> /χ <sub>ο</sub> )
(3)	1/52 ~ gamma (vo, vo 52)
	2 2
	then the posterior
	7701
	p(0,02/4,,4n)
	b(A) 12,1,2x)
	= 0/0/-2 \ /-2/
	$= p(0 \mid \sigma^2, y_1, \dots, y_n) p(\sigma^2 \mid y_1, \dots, y_n)$
	dnorm(0; un, In) diny gamma(02; vn, vn on2)
	anormo din gamma (o; 2)
	"full cond'l postrior of O"
	Today's agenda:
	(1) sketch proof for p(52/y,, yn) (2) sample from n posterior
	(2) sample from 10 posterior
	(3) sample from posterior predictive p(g/y, yn)
	e (time permitting)
	Interpretation:
	ms: prior quess for A
	502 : prior quess for 52
	Ko: prive sample size for O
	Vo : prive sample size for 52