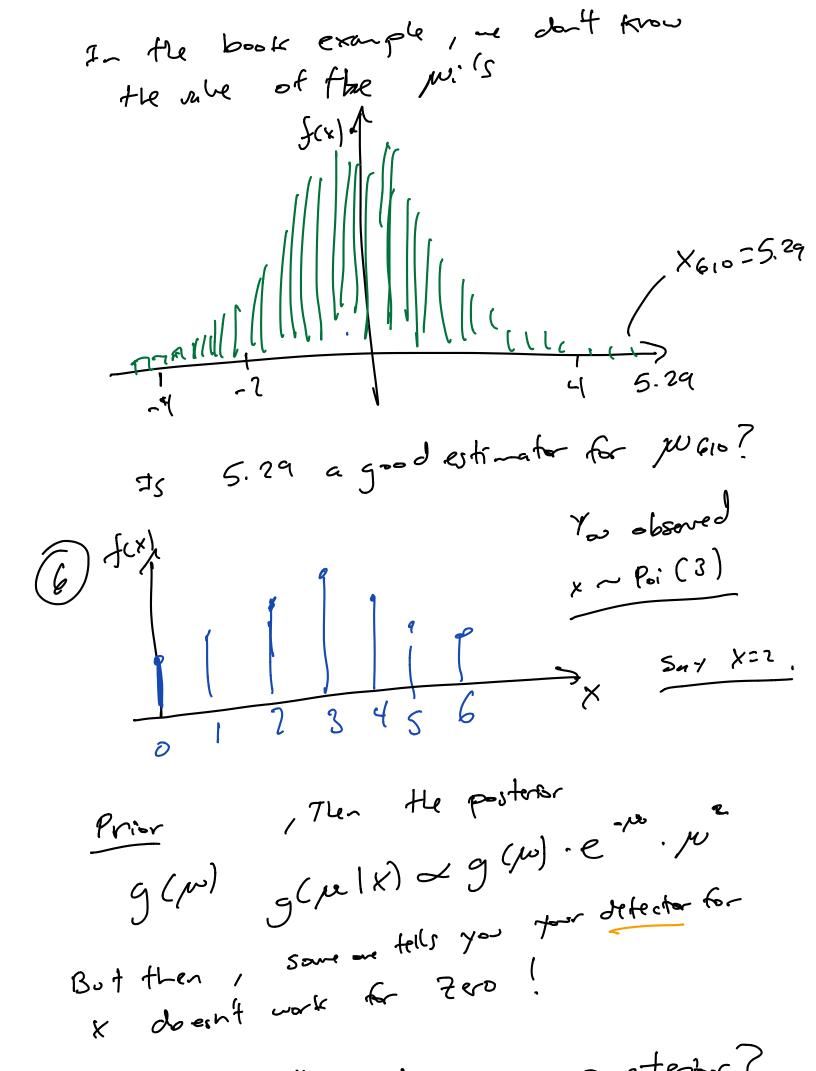
$f_{\mu}(x) = e^{-\mu x}$ $\int_{x!}^{x} \left(\int_{x!}^{x-x} e^{-x} \right)$ g(m) = e-m 9(m/x) ~ g(m). fm(ck) Le-1.e-1.wx $2e^{-2\mu}$. μ Compare this with the Gamma Y~ (5a (~, B) $f(\gamma) = \frac{\beta^{2}}{T(\alpha)} \cdot \gamma^{\alpha-1} \cdot e^{-\beta \gamma}$ 2 y e-1, e-13 y Y=m/B=2 g(w/x) + Ga (x+1/2)

g(Identical) findial(sque) g (Idutical | Same) g (Frateral) fartem (Save) g (Fruternal | Same) would be twice as likely as Identical twins fraternals after sonogram results. J Same Diff 1/2 0 1/2 F 1/4 1/4 1/2 $\frac{1/2}{1/4} = \frac{2}{1}$ x: |~~~(0,1) we'll do - 95% of frequencies



Postertor of my gren x do ont change, as

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our belief of what practor mis only

depends on the data (x) through the likelihood.

Observed, only x = 1, can be

observed,

then, we would have a posterior g (m/x/7).