Write out the first few steps for finding each of these integrals:

1. $\int x^2 \sin(3x)dx$	9. $\int \tan^2 x\, dx$
2. $\int \sin^2 x \cos^3 x\, dx$	10. $\int \dfrac{x}{e^x}dx$
3. $\int \sin^{-1} x\, dx$	11. $\int \dfrac{1}{x^2\sqrt{4+x^2}}dx$
4. $\int \dfrac{2x^2+3x-8}{(x-4)(x+2)^2}dx$	12. $\int x^3 \ln x\, dx$
5. $\int \tan x\, dx$	13. $\int_0^\pi \sin^2 x\, dx$
6. $\int \ln(x)dx$	14. $\int \dfrac{3x^2}{\sqrt{25-x^2}}dx$
7. $\int \dfrac{4x^2+5x}{(x-1)(x^2+2)}dx$	15. $\int \dfrac{4x^2+3x-1}{2x^2-x-6}dx$
8. $\int \dfrac{2}{(9x^2-1)^{3/2}}dx$	16. $\int_0^{\pi/4} \sec^4 x\, dx$