1. $\int x \sin^{-1}(x)\, dx$

2. $\int \ln(1+x)\, dx$

3. $\int e^{\sqrt{x}}\, dx$

4. $\int \cos^4(x)\, dx$

5. $\int \dfrac{dx}{x^2\sqrt{16-x^2}}$

6. $\int \cos(\ln x)\, dx$

7. $\int \csc^3(x)\, dx$

8. $\int \dfrac{dx}{(x^2+25)^{3/2}}$

9. $\int e^{2x}\sin 3x\, dx$

10. $\int \dfrac{dx}{x+x^3}$

11. $\int \dfrac{2x+1}{(x+5)^{100}}\, dx$