

## BC CW 5.2-5.9 Integration

1. $\int_{\tan 1}^{\tan 8} \frac{dx}{x^2 + 1}$	2. $\int_e^{e^3} \frac{dt}{t \ln t}$
3. $\int \frac{\tan^{-1} x \, dx}{1 + x^2}$	4. $\int_2^7 \frac{x \, dx}{x^2 + 1}$
5. $\int_x^0 e^{-t} \, dt$	6. $\int \cot x \ln(\sin x) \, dx$
7. $\int 9^x \sin(9^x) \, dx$	8. $\int_0^4 \frac{dt}{4t^2 + 9}$
9. $\int_{-2}^2 \frac{dx}{x^2 + 4x + 13}$	10. $\int \frac{4}{3\sqrt{x}(1+x)} \, dx$