

Review : Q203 CHAPTER 6.3, 6.5, TRIG SUB

① Evaluate  $\int \frac{dx}{1+9x^2}$  using A] u-substitution / Book memories  
B] TRIG SUB

② Evaluate  $\int \frac{dx}{\sqrt{1-x^2}}$  using A] BOOK OF MEMORIES  
B] TRIG SUB

③ Evaluate  $\int \frac{dx}{1-x^2}$  using A] PARTIAL FRACTIONS  
B] TRIG SUB

④ Evaluate  $\int \frac{(\ln x)^2}{x^3} dx$  [You choose]

⑤ Evaluate  $\int \sin(\ln x) dx$  [You choose]

⑥ Evaluate  $\int \frac{\sqrt{x^2-9}}{x^3} dx$  [You choose]

⑦ Evaluate  $\int x 2^x dx$  [You choose]