

# NCFE PRACTICE # 6

① Multiply:  $(x-5)(x^2+5x+25)$

② Which of the following is the solution for  $3(4)^x = 15$ ?

A)  $\frac{\log 15}{\log 4}$

C)  $\frac{\log 3}{\log 4}$

B)  $\frac{\log 5}{\log 4}$

D)  $\frac{\log 3}{\log 15}$

③ Solve for x:  $\frac{6x+20}{x^2} + \frac{1}{x} = \frac{3}{x}$

A)  $x = 4$

C)  $x = -5$

B)  $x = -3$

D) No sol.

④ Find the radius of a circle with Area = 153.86.

⑤ Divide:  $\frac{8x^3 + 24x^2 - 5x - 15}{x+3}$

⑥ Find the Volume of the cylinder.

