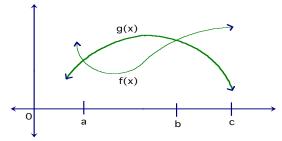
1) Set up an equation that would find volume of enclosed region rotated about x - axis .

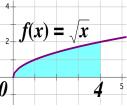


Find each volume of enclosed region rotated about the x - axis. (Show work)

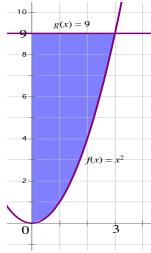
2) $f(x) = \sqrt{9 - x^2}$, g(x) = 0 from [0,3] 3) $f(x) = e^x$, g(x) = 0 from [1,ln5]

4) Find each volume of enclosed region rotated about the x - axis. (Show work) $y = \frac{1}{\sqrt{x+1}}$, y = 0, x = 0, x = e-1

5) Find Volume of enclosed region between the graph of $f(x) = \sqrt{x}$ and x-axis from [0,4] rotated about x-axis. (Set up and use calculator)

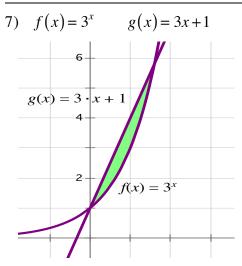


6) Find Volume of enclosed region between the graph of $f(x) = x^2$, y = 9 and y-axis from [0,3] rotated about x-axis. (Set up and use calculator)



Find the volume of each enclosed region rotated about the *x* - axis

(Set up and use calculator)



8)
$$y = \sqrt{x+2}$$
 $y = e^x$

