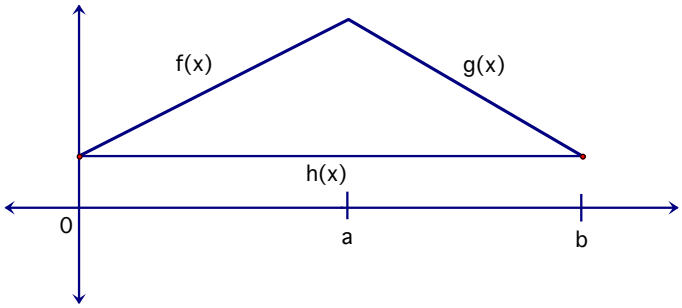
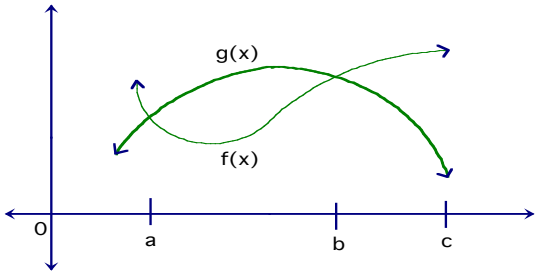
CALCULUS AB 7.1 HW

Name_____

1) **Set up an equation that would find area of the enclosed region**.



2) **Set up an equation that would find area between the graphs from** $[a,c]$.



3) Find the area of the enclosed region. (**Show work**)

$f(x)=x^2-4x+1 \qquad g(x)=x+1$

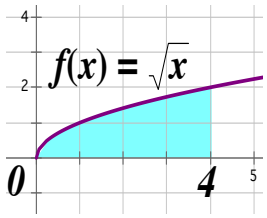
4) Find the area between graphs on interval. (**Show work**)

$f(x)=9-x^2 \qquad g(x)=x^2-9$

5) Find Area of enclosed region between the graph of $f(x)=\sqrt{x}$ and x-axis from $[0,4]$.

(Set up and use calculator)

a) vertical cross sections

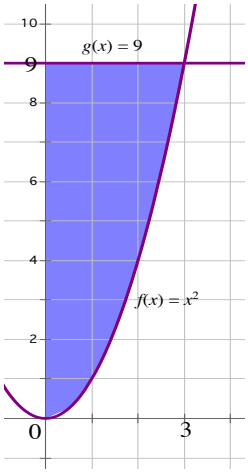


b) horizontal cross sections

6) Find Area of enclosed region between the graph of $f(x)=x^2$, $y=9$ and y-axis from $[0,3]$.

(Set up and use calculator)

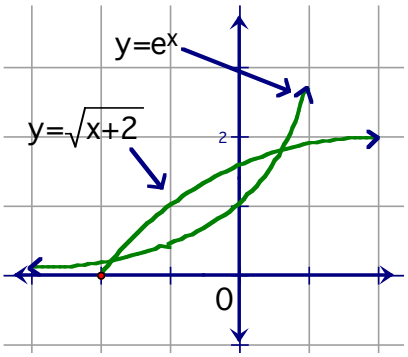
a) vertical cross sections



b) horizontal cross sections

Find the area of each enclosed region **(Set up and use calculator)**

7)



8)