***Solution*** ***Section* 2.2 – Trigonometric Integrals**

***Exercise***

Evaluate the integral 

***Solution***















***Exercise***

Evaluate 

***Solution***





***Exercise***

Evaluate 

***Solution***

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***Or***



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***Or***











***Exercise***

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***Or***











***Exercise***

Evaluate the integral 

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***Exercise***

Evaluate the integral 

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***Exercise***

Evaluate the integral 

***Solution***









***Exercise***

Find the area of the region bounded by the graphs of  and  on the interval 

***Solution***







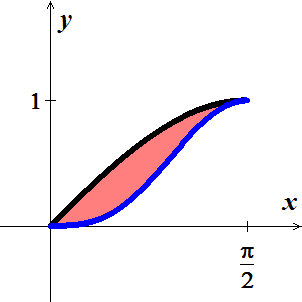




***Exercise***

Find the area of the region bounded by the graphs of the equations 

***Solution***







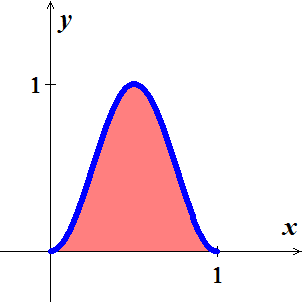




***Exercise***

Find the area of the region bounded by the graphs of the equations 

***Solution***





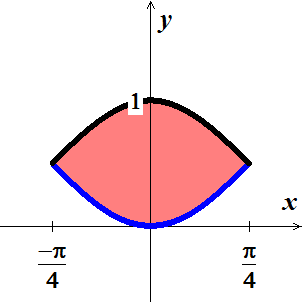




***Exercise***

Find the area of the region bounded by the graphs of the equations 

***Solution***









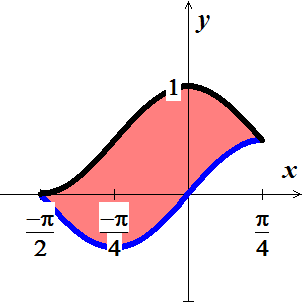


***Exercise***

Find the area of the region bounded by the graphs of the equations



***Solution***











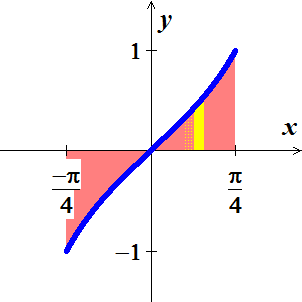


***Exercise***

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the  

***Solution***

***Disks*** Method:









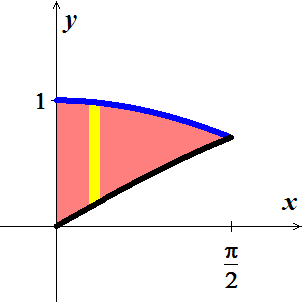


***Exercise***

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the  

***Solution***



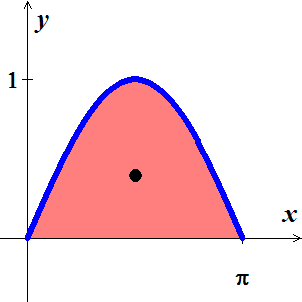


***Exercise***

Find the ***volume*** of the solid generated by revolving the region bounded by the graphs of the equations about the , then find the ***centroid*** of the region



***Solution***

















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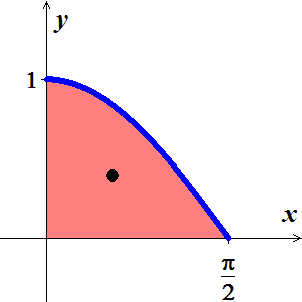






***Exercise***

Find the ***volume*** of the solid generated by revolving the region bounded by the graphs of the equations about the , then find the ***centroid*** of the region

***Solution***















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