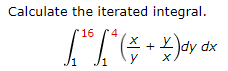
**Math 163  
15.1: Double Integrals over Rectangles  
Questions for flipped class**

**(15.1.1)**

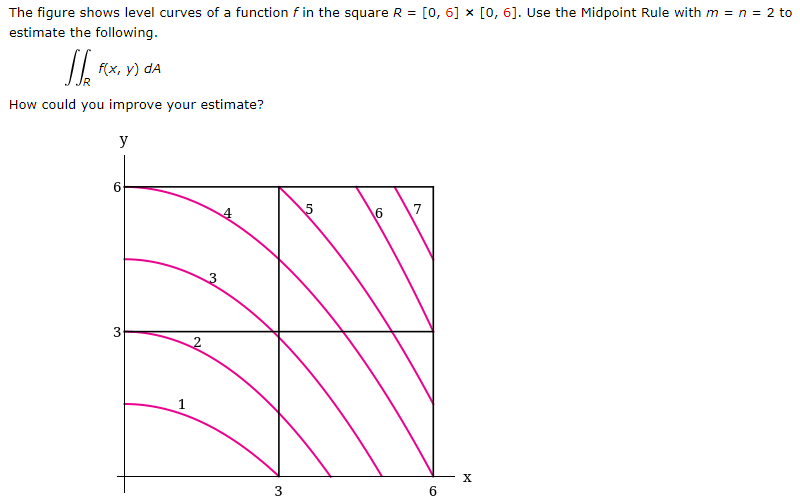
Estimate the volume of the solid that lies below the surface **** and above the rectangle 

Use a Riemann sum with  and  and take sample points in the upper right corner of each sub rectangle.

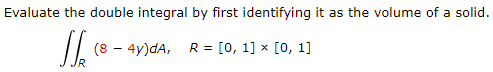
**(15.1.5)**

****

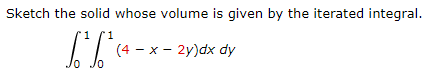
**(15.1.2)**

****

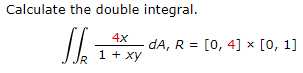
**(15.1.3)**



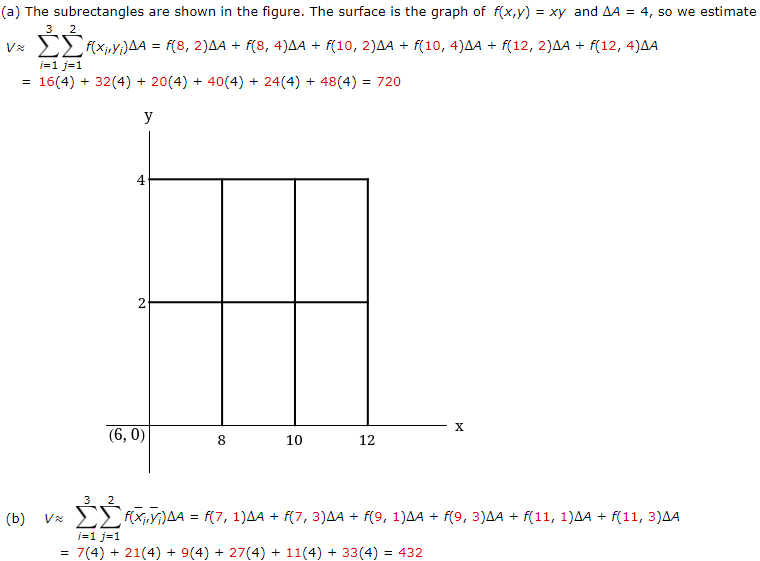
**(15.1.4)**



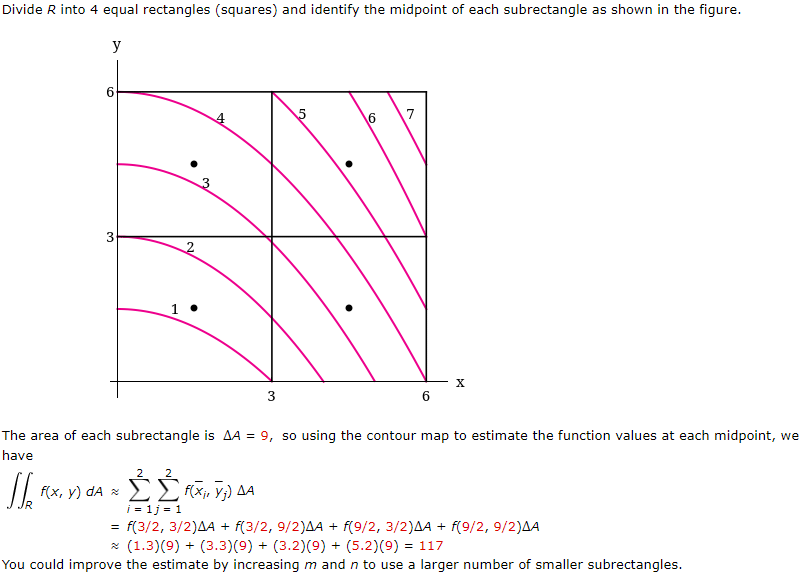
**(15.1.6)**



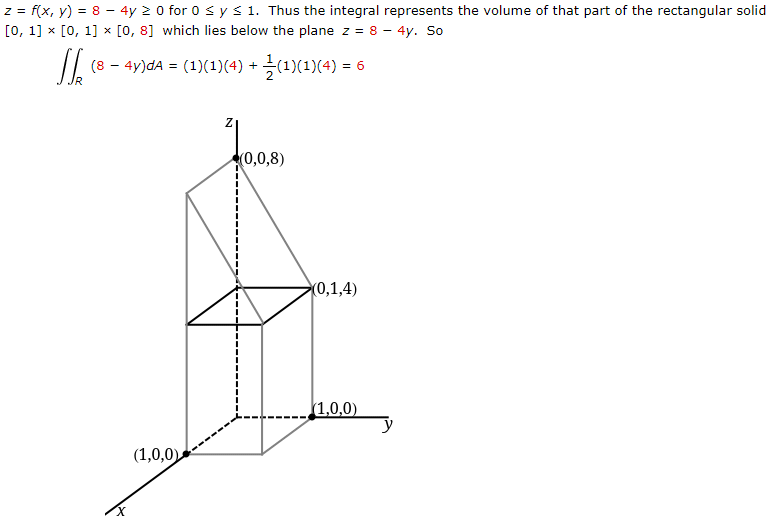
**(15.1.1 solution)**



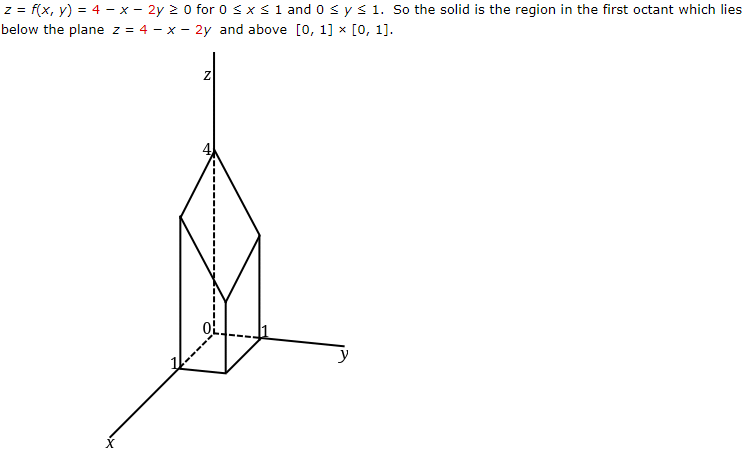
**(15.1.2 solution)**

****

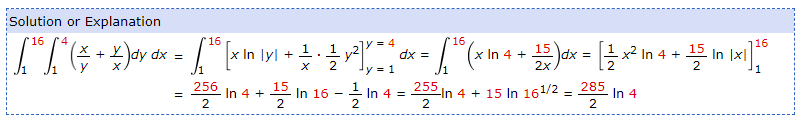
**(15.1.3 solution)**

****

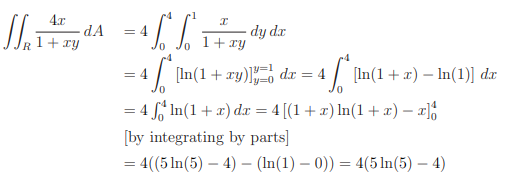
**(15.1.4 solution)**

****

**(15.1.5 solution)**

****

**(15.1.6 solution)**

****