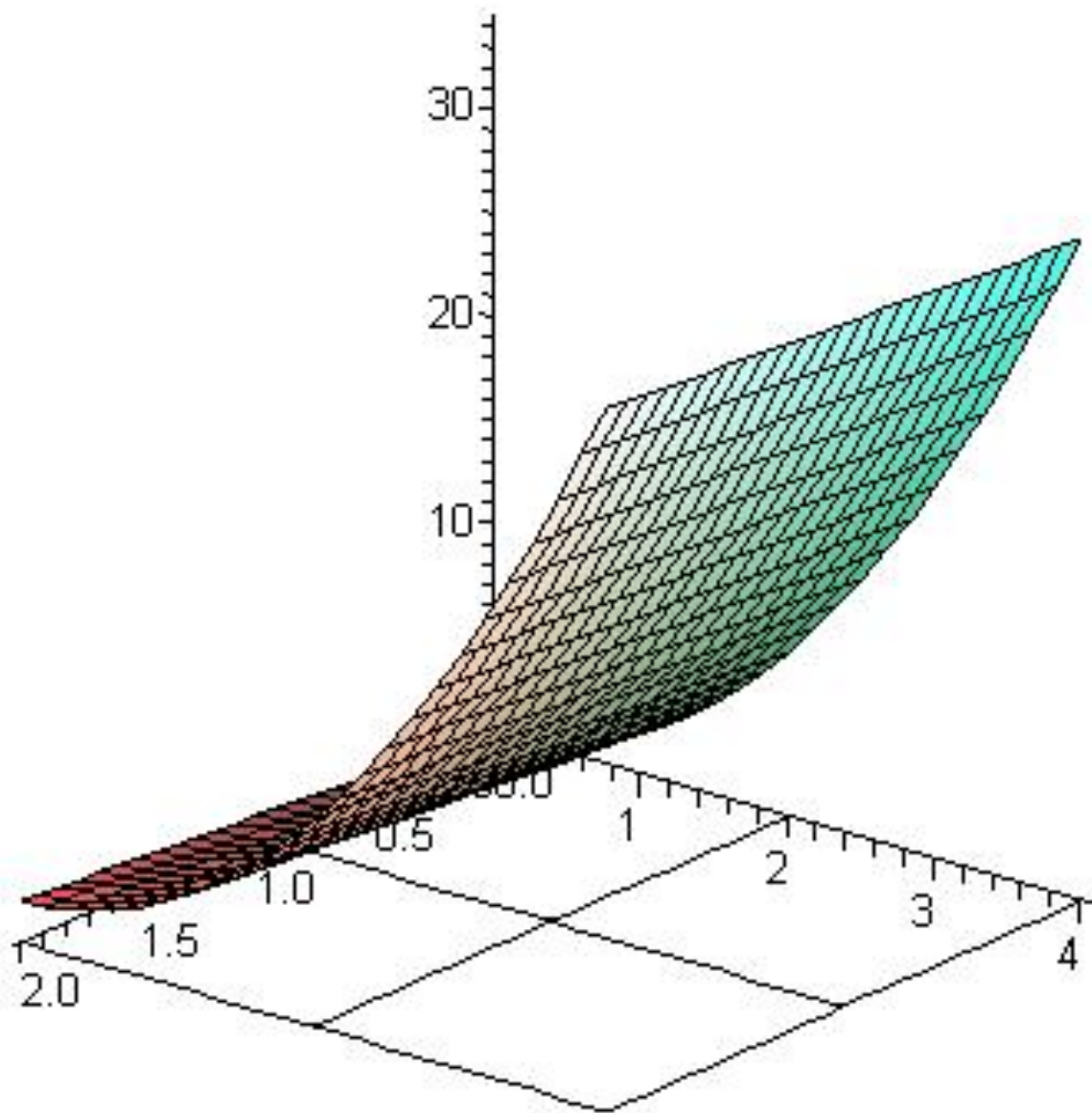
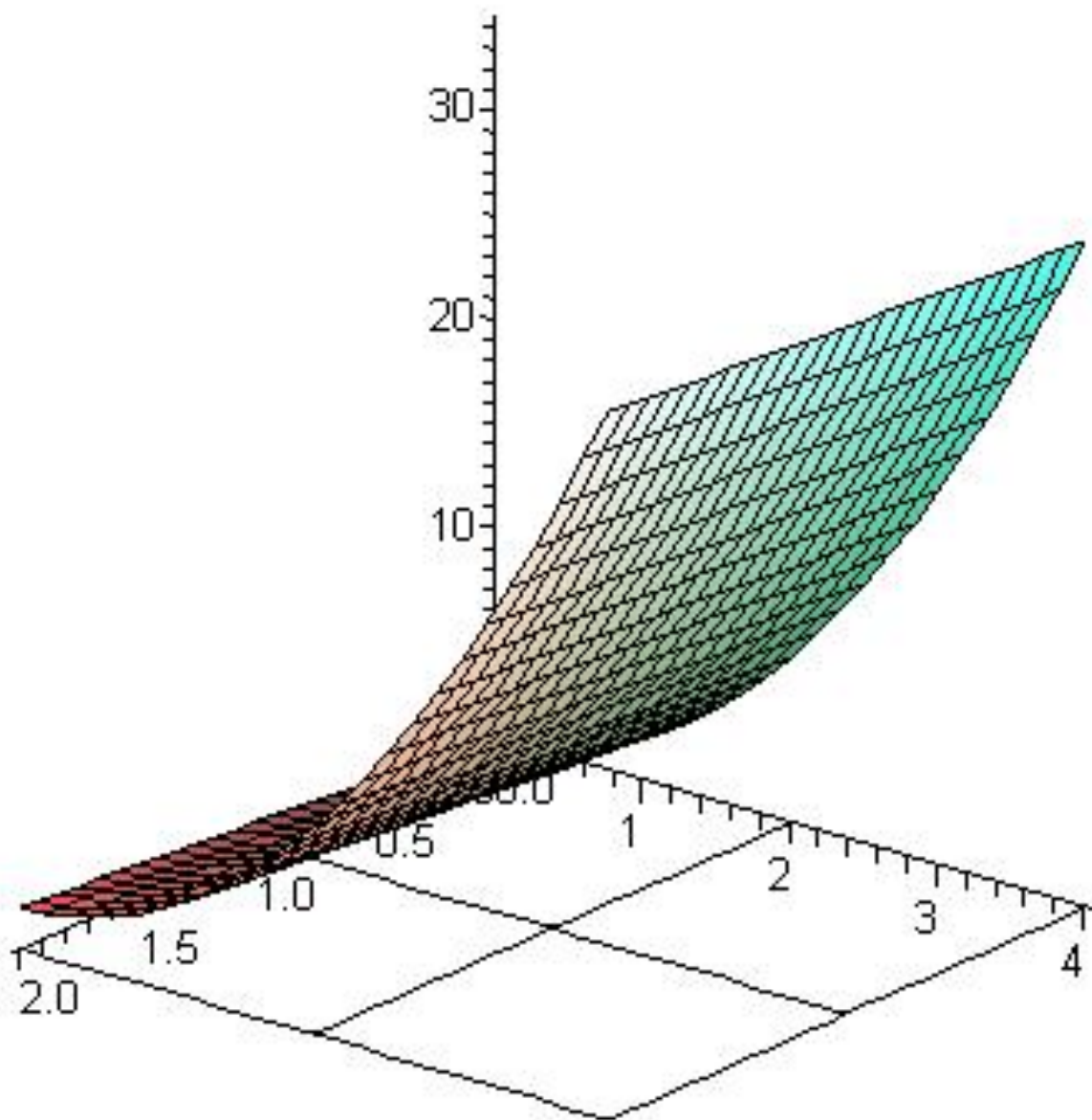


The surface  
 $z = x + 2y^2$   
above the rectangle  
 $R = [0, 2] \times [0, 4]$



Approximating the volume using  
 **$m=n=2$**  (4 rectangles) and  
**lower right endpoints**



Approximating the volume using  
 **$m=n=2$**  (4 rectangles) and  
**midpoints.**

