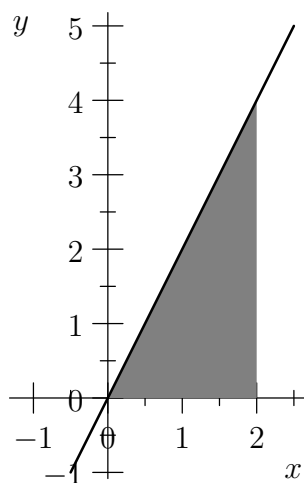
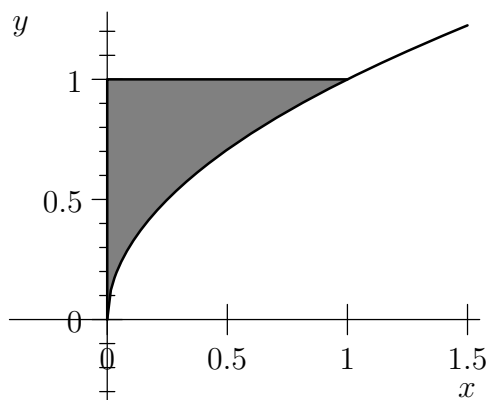


## Integration Intuition

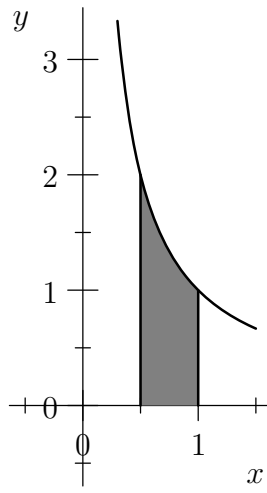
When calculating areas, it's a good idea to check your answer against a rough visual estimate of the region's area. For each graph shown below, select the value that's closest to the shaded area.



Approximate area: a) 2    b) 4    c) 8    d) 16



Approximate area: a)  $\frac{1}{4}$     b)  $\sqrt{2}$     c)  $\frac{1}{2}$     d)  $\frac{2}{3}$



Approximate area: a)  $\frac{1}{2}$    b)  $\frac{3}{4}$    c)  $\frac{3}{2}$    d) 2

MIT OpenCourseWare  
<http://ocw.mit.edu>

18.01SC Single Variable Calculus  
Fall 2010

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.