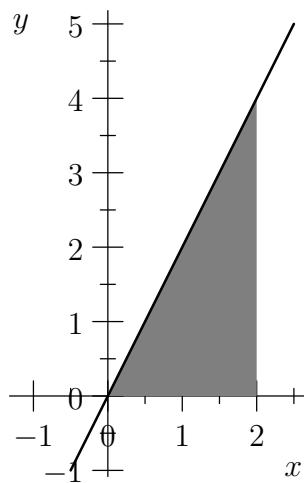
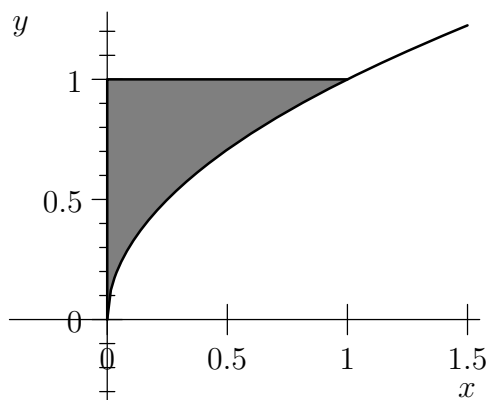


Integration Intuition

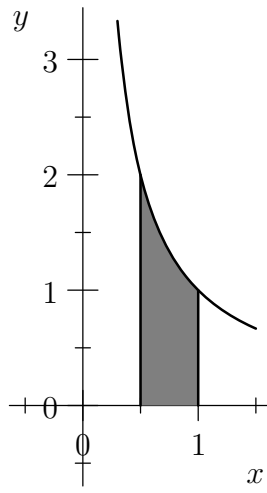
When calculating areas, it's a good idea to check your answer against a rough visual estimate of the region's area. For each graph shown below, select the value that's closest to the shaded area.



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

1. 4 b

2. $\frac{1}{2}$ c

3. $\frac{3}{4}$ b