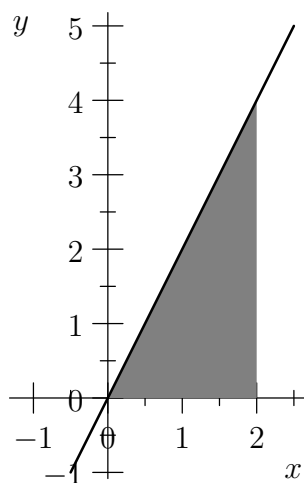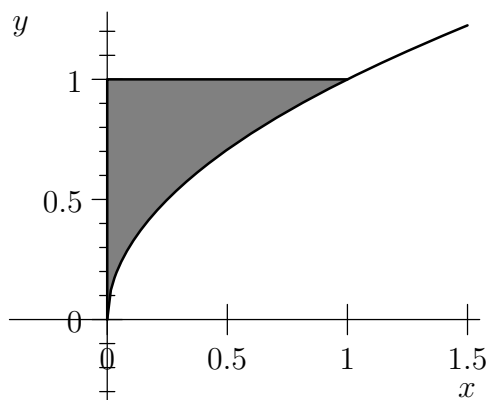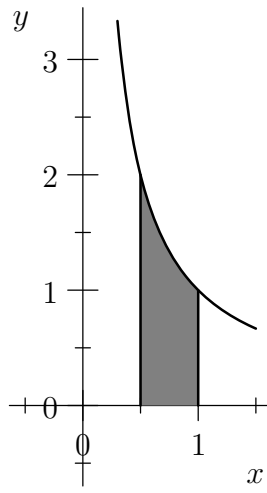## Integration Intuition

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

18.01SC Single Variable Calculus
Fall 2010