

FIGURE 8 Right endpoints produce upper sums because $f(x) = x^2$ is increasing

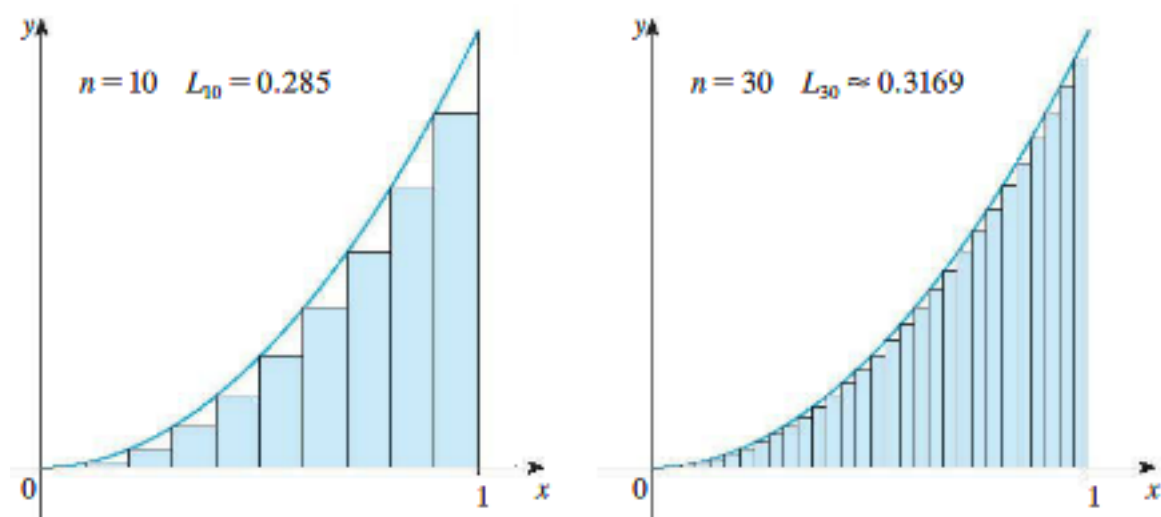


FIGURE 9 Left endpoints produce lower sums because $f(x) = x^2$ is increasing