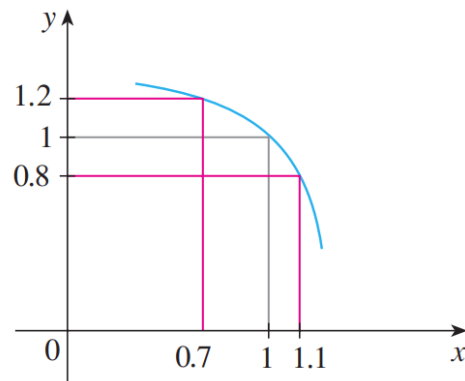


Exercise 1

Use the given graph of f to find a number δ such that

$$\text{if } |x - 1| < \delta \quad \text{then} \quad |f(x) - 1| < 0.2$$

**Solution**

As long as δ is less than 0.1, the distance from 1 on the y -axis will be less than 0.2.