

## Exercise 232

For the following exercises, evaluate the given exponential functions as indicated, accurate to two significant digits after the decimal.

$$f(x) = e^x \quad \text{a. } x = 2 \quad \text{b. } x = -3.2 \quad \text{c. } x = \pi$$

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### Solution

- a. If  $x = 2$ , then  $f(x) = e^2 \approx 7.39$ .
- b. If  $x = -3.2$ , then  $f(x) = e^{-3.2} \approx 0.041$ .
- c. If  $x = \pi$ , then  $f(x) = e^\pi \approx 23.14$ .