

## Independent Practice

## Expressions and Operations A.13

Read and solve each question.

1. Which is the closest to the value of  $3\sqrt{5}$  ?

- A. 3.9
- B. 6.7
- C. 7.5
- D. 8.7

2. Which is the closest to the value of  $(\sqrt{12})(\sqrt{15})$ ?

- A. 52.0
- B. 13.5
- C. 13.4
- D. 6.7

3. In kilometers, the approximate distance to the earth's horizon from a point  $h$  meters above the surface can be determined by evaluating the expression  $\sqrt{12h}$ . About how far is the apparent horizon from a person looking out to sea from the top of a cliff 350 meters above sea level?

- A. 21 km
- B. 65 km
- C. 130 km
- D. 225 km

4. Which is the closest to the value of  $\frac{\sqrt{17}}{\sqrt{10}}$  ?

- A. 0.8
- B. 1.3
- C. 1.7
- D. 2.6