

Independent Practice

Expressions and Operations A.3

Read and solve each question.

- Which is the closest to the value of $3\sqrt{5}$?
 - 3.9
 - 6.7
 - 7.5
 - 8.7

- Which is the closest to the value of $(\sqrt{12})(\sqrt{15})$?
 - 52.0
 - 13.5
 - 13.4
 - 6.7

- 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?
 - 21 km
 - 65 km
 - 130 km
 - 225 km

- Which is the closest to the value of $\frac{\sqrt{17}}{\sqrt{10}}$?
 - 0.8
 - 1.3
 - 1.7
 - 2.6