MIXED REVIEW FOR TEKS

TAKS PRACTICE
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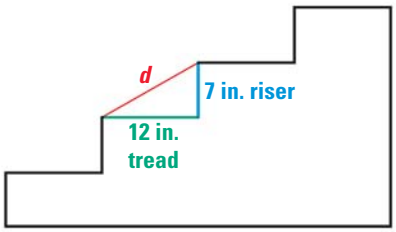
Lessons 11.4–11.5

MULTIPLE CHOICE

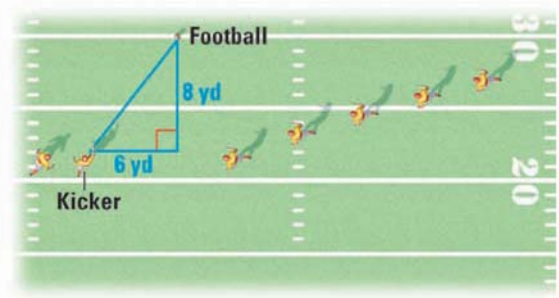
1. **STAIRCASE** A drawing of a staircase is shown. What is the distance d between the edges of two consecutive steps? *TEKS A.4.A*



Ⓐ $\sqrt{19}$ Ⓑ $\sqrt{95}$

Ⓒ 19 Ⓓ Not here

2. **FOOTBALL** At the start of a football game, the kicker on one team must kick the ball to the opposing team. To position himself for the starting kick, the kicker places a football on a tee, walks 8 yards behind the tee, then 6 yards to the left. What is the kicker's distance from the football? *TEKS A.4.A*



Ⓕ $\sqrt{14}$ yards Ⓖ $2\sqrt{7}$ yards

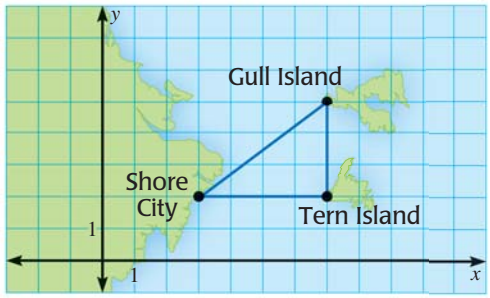
Ⓗ $3\sqrt{10}$ yards Ⓙ 10 yards

3. **CITY BLOCK** Three streets in the downtown area of a city form a right triangle with the lengths shown. Find the area of the triangle to the nearest 100 square feet. *TEKS 8.7.C*

Ⓐ 27,000 ft^2 Ⓑ 117,100 ft^2

Ⓒ 152,100 ft^2 Ⓓ 95,500 ft^2

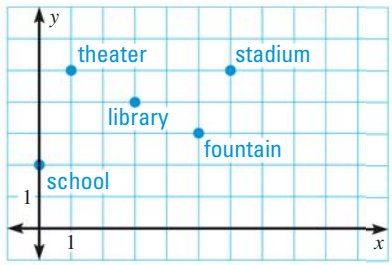
4. **FERRY** A ferry travels from a city to an island and then to another island before returning to the city, as shown in blue. The distance between consecutive grid lines represents 1 mile. The ferry travels at an average rate of 20 miles per hour and leaves the city at 10 A.M. At what time does the ferry return? *TEKS a.6*



Ⓕ 10:15 A.M. Ⓖ 10:24 A.M.

Ⓗ 10:36 A.M. Ⓙ 11:40 A.M.

5. **MAP** A map of a town is shown. The distance between consecutive grid lines is 1 mile. A student leaves the school and goes directly to the library. From the library, the student goes directly to the stadium. How many miles did the student travel? *TEKS A.4.A*



Ⓐ $2\sqrt{5}$ Ⓑ $\sqrt{13} + \sqrt{10}$

Ⓒ $\sqrt{23}$ Ⓓ $\sqrt{39}$

GRIDDED ANSWER

6. **HIKING** You go on a hiking trip. You walk 2 miles directly east and then 4 miles directly north. If you could walk in a straight path back to your starting point, how many miles would you have to walk? Round your answer to the nearest tenth of a mile. *TEKS A.4.A*