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he would have had to if he had gone straight from his starting point to the buried treasure?



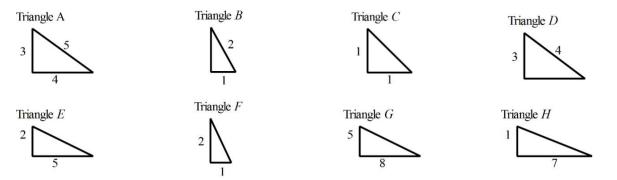
22) Garrett wants to drive from point A to point B on Interstate 25, but due to a detour, he must first drive south for 10 miles on Colorado Avenue and then drive east on 6th Avenue for 10.5 miles. How far is point A from point B?

West

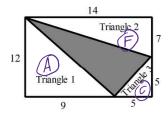


4

23) The Hopewell people were Native Americans whose culture flourished in the central Ohio Valley about 2000 years ago. The Hopewell people constructed earthworks using triangles, including those below.



The diagram below shows the layout of some Hopewell earthworks. The centers of the Newark Octagon, the Newark Square and the Great Circle were at the corners of the shaded triangle.



The three right triangles surrounding the shaded triangle form a rectangle measuring 12 units by 14 units. Which of the Hopewell triangles is similar to $\Delta 1$, $\Delta 2$, and $\Delta 3$ in the diagram?

 $\Delta 1 \sim \Delta A$; $\Delta 2 \sim \Delta F$; $\Delta 3 \sim \Delta C$

 $\Delta 1 \sim \Delta D$; $\Delta 2 \sim \Delta F$; $\Delta 3 \sim \Delta C$

В. $\Delta 1 \sim \Delta A$; $\Delta 2 \sim \Delta B$; $\Delta 3 \sim \Delta C$ D. $\Delta 1 \sim \Delta D$; $\Delta 2 \sim \Delta B$; $\Delta 3 \sim \Delta C$

Answers:

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1) 10	2) 30	3) 30	4) 12	5) 2.5	6) 14	7) 15	8) 65
9) 90	10) 20.5	11) 80	12) 3.5	13) 45	14) 0.4	15) 34	
16) 4	17) 39/5	18) 250	19) 10	20) 120	21) 16 extra pa	aces 22) 14.5 miles	23) A