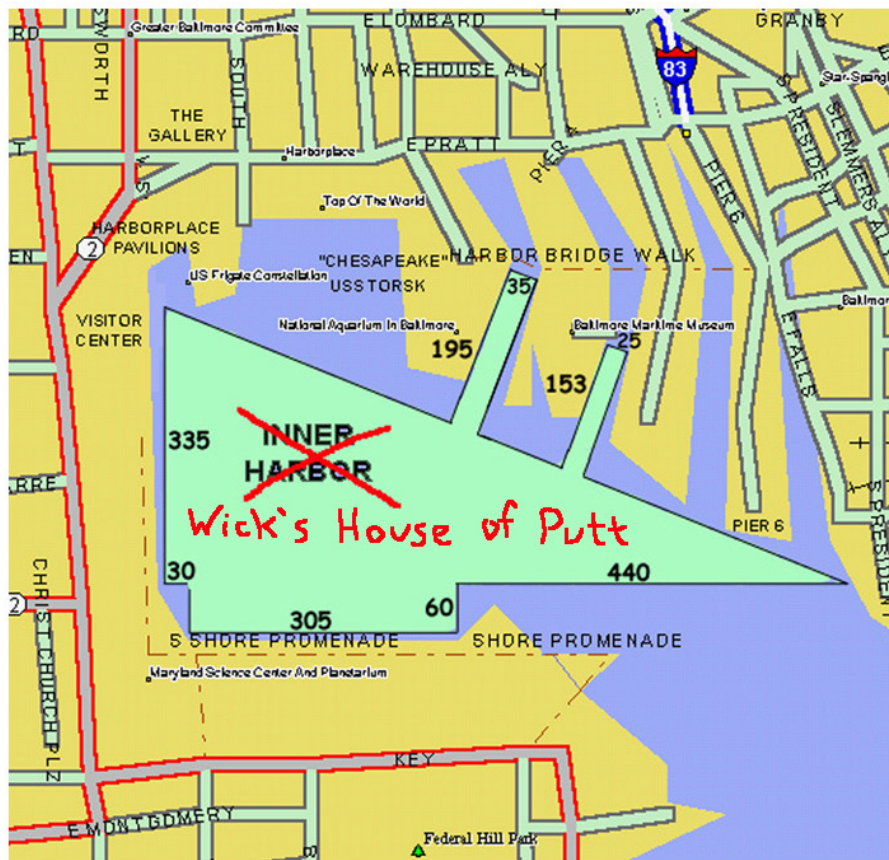


Mission-Simulation Assignment

Operation Inner Harbor - Answer Key

Dr. Wick decided to build a miniature golf course in Baltimore's Inner Harbor. The city sold him the oddly-shaped space shown below. They also gave him the measurements on the map, which are in yards.



Step A

Find the area (in square yards) of Dr. Wick's House of Putt-Putt.

$$\begin{aligned} &(195 \cdot 35) + (153 \cdot 25) + (305 \cdot 60) + (.5 \cdot 335 \cdot 77.5) \\ &6,825 + 3,825 + 18,300 + 129,812.5 \\ &158,762.5 \text{ square yards} \end{aligned}$$

Step B

Use what you know about area to explain how you determined the area of Dr. Wick's House of Putt. Use words, numbers, drawings, and/or symbols to explain your thought process to your fellow AVU agents.

Answers will vary. Students might mention finding the area of three rectangles by multiplying their length times their width, adding the sides $30 + 305 + 440$ to find the length of one side of the triangle, and using the $A = 1/2BH$ formula to find the area of the triangular shape.