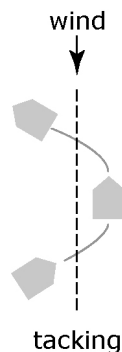
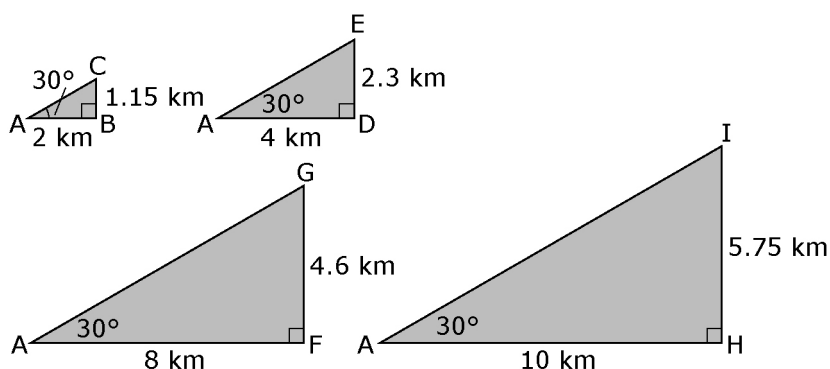


Section 7.2 Explore Right Triangles

Use this worksheet to help you with the exploration on pages 336–337.



1. The diagram shows the four triangles that are formed from the sailing course depicted above.



- a) Compare the off course distance to the distance you intended to go. Complete the table below. For each triangle,
- record the off course distance and the intended distance
 - calculate the ratio of $\frac{\text{off course distance}}{\text{intended distance}}$

Express your answers to two decimal places.

Triangle	Off Course Distance	Intended Distance	$\frac{\text{Off Course Distance}}{\text{Intended Distance}}$
ABC			
ADE			
AFG			
AHI			

- b) Describe any pattern you notice in the ratios. Compare the ratios with those of a classmate.

