MAT4010 Discussion 2024-04-19

Helmer Aslaksen

Dept. of Teacher Education/Dept. of Mathematics

University of Oslo

helmer.aslaksen@gmail.com

1. Fill in the blanks in the table below. Can you give a formula involving n that gives the values?

n	x	$\sin x$	$\cos x$
0	0°		
1	30°		
2	45°		
3	60°		
4	90°		

2. Describe the four cases when you can solve a triangle. (SAS etc.)

3. Draw a figure that illustrates the ambiguous sSA case, and explain why both the sine law and cosine law fail in this case.