

Learning Goal(s):

MBF 3CI 1.5 Applications of Trigonometry

Date: _____
pp. 49-50 # 3, 5, 8, 10, 11

Steps for all Trig questions:

1. Sketch a diagram if necessary.
2. Is there a right angle?
Yes: Label sides for SOH CAH TOA
No: Decide if you need the sine law or the cosine law [SSS or SAS]
3. Write the equation.
4. Isolate the variable.
5. Use your calculator to solve.
6. Round as necessary and write a conclusion, including units.

Ex. 1

The posts of a hockey goal are 2.0 m apart. Canadian hockey star Sidney Crosby tries to score a goal by shooting the puck along the ice from a point 4.8 m from one post, and 6.7 m from the other. To the nearest degree, within what angle must Sidney shoot the puck? Include a diagram.