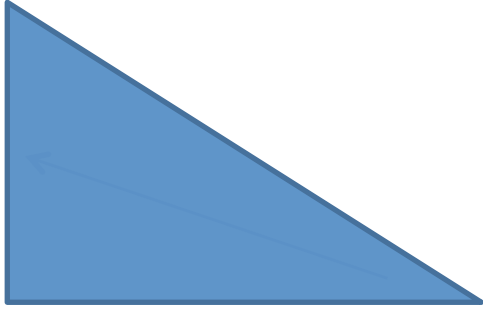


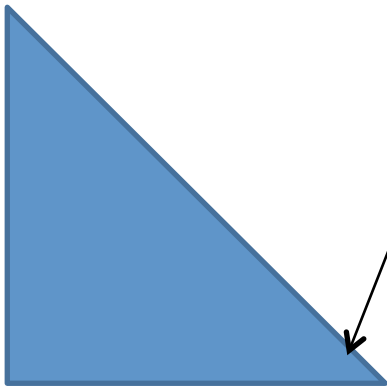
Sec. 2.1 Notes – The Tangent Ratio (Grade 10)



SOHCAHTOA

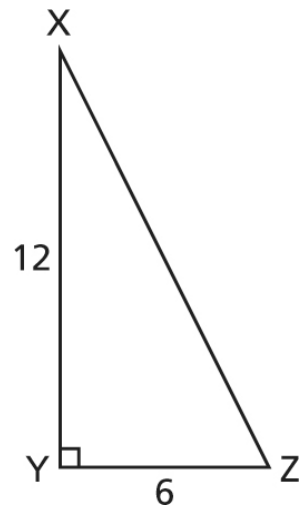
The Tangent Ratio

Tan A =

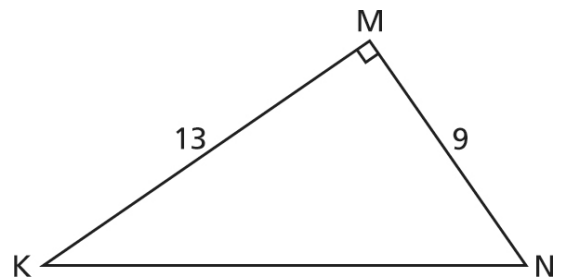


Angle of Inclination = is the angle it makes
with the horizontal

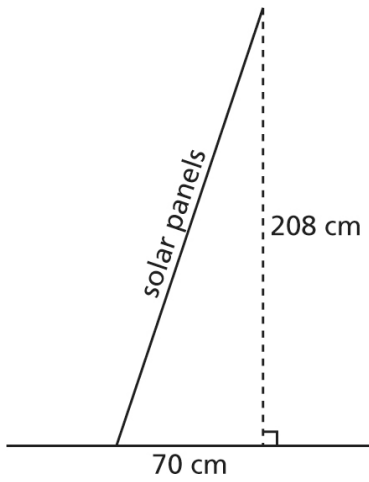
1. Determine $\tan X$ and $\tan Z$.



2. Determine the measures of $\angle K$ and $\angle N$ to the nearest tenth of a degree.



3. Clyde River on Baffin Island, Nunavut, has a latitude of approximately 70° . The diagram shows the side view of some solar panels. Determine whether this design for solar panels is the best for Clyde River. Justify your answer.



4. A support cable is anchored to the ground 5 m from the base of a telephone pole. The cable is 19 m long. It is attached near the top of the pole. What angle, to the nearest degree, does the cable make with the ground?

