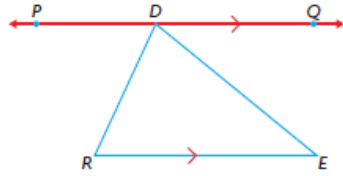


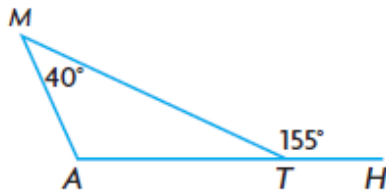
2.3: Angles and Triangles

Can we prove that the sum of the measures of the interior angles of any triangle is 180° ?



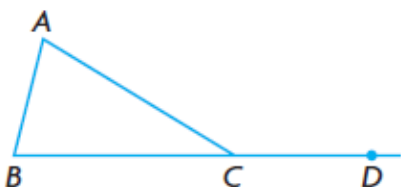
Example 1:

In the diagram, $\angle MTH$ is an exterior angle of $\triangle MAT$. Determine the measures of the unknown angles in $\triangle MAT$.



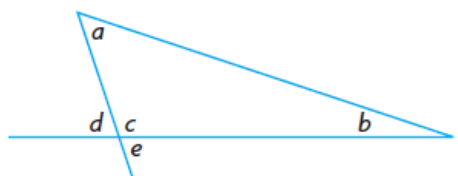
If you are given one interior and one exterior angle of a triangle, can you ALWAYS determine the other interior angles of the triangle? Explain with words and diagrams.

Non-adjacent interior angles: _____



Example 2:

Prove $\angle e = \angle a + \angle b$



Example 3:

Determine the measure of $\angle NMO$, $\angle MNO$, and $\angle QMO$.

