Special Interior Angles for Triangles – Activity D

Using a Ruler and Protractor create a Triangle and Parallel Line similar to Activity C!
Label △ Angles as R,S,T like A,B,C and M,N like D,E ! Proceed to complete Blanks below!
Do not create a duplicate of △ A,B,C just create any triangle, but, big enough to measure!

Using a Protractor, Verify Sum of Angles _____ = 180^0! Angles _____ are Supplementary!
Using a Protractor, Verify Angles _____ are Equal & Verify Angles _____ are Equal! Why?
Since Angles _____= 180^0, _____& _____ then Sum of Interior Angles of △ _____ = _____?

The Sum of Angles _____= 180^0 Why? _____

Angles _____ are Equal Angles! Why? _____

Angles _____ are Equal Angles! Why? _____

Therefore Angles _____ = 180^0 Why? _____

The above Statements would be considered a Deductive Proof!

Look up Definition of a Deductive Proof & find another Specific Example!

A Deductive Proof is valid reasoning in all areas of Mathematics!

