

Mathematics 2260H – Geometry I: Euclidean geometry

TRENT UNIVERSITY, Winter 2012

Assignment #2

Angle-Side-Side?

Due on Thursday, 26 January, 2012.

1. Determine whether the Angle-Side-Side congruence criterion actually works. That is, if $\angle ABC = \angle DEF$, $BC = EF$, and $CA = FD$, must it be true that $\triangle ABC \cong \triangle DEF$? If so, prove it; if not, give a counterexample. [10]

