

Math 327 Quiz 1 (Section 2.1-2.3) Total points: 10
Instructor: Yi Wang

Name(Print)_____ Section_____ Grade_____

1. (2 points) The sum of the measures of the interior angles of a triangle is 180° . Find the if-then conditional of this statements, and find its converse and contrapositive.
2. Given: $\angle A$ and $\angle B$ are each 30° , Prove: $\angle A$ is congruent to $\angle B$.
3. let $x, y \in \mathbb{R}$, and $x^2 + y^2 = 0$. Prove $x = y = 0$.
4. Given that K, P, Q , and T are points on a line such that $P - K - Q$ and $P - K - T$, Q is the midpoint of \overline{KT} , $PK = 9$, and $PT = 15$, find QT .