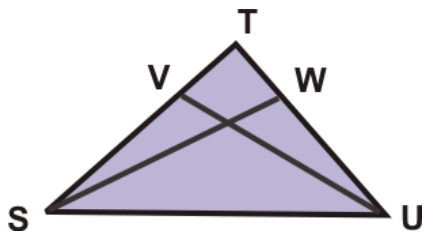


Quiz: Indirect Euclidean Proofs

write statements for the following reasons of proofs:

1. Given
2. Assumption leading to a contradiction.
3. The altitude of a triangle is a line segment extending from any vertex of a triangle perpendicular to the line containing the opposite side.
4. Perpendicular lines meet to form right angles.
5. All right angles are congruent.
6. Reflexive property
7. AAS
8. CPCTC
9. An isosceles triangle has two congruent sides.
10. Contradiction reasons 1 and 9



Given: $\triangle STU$ is scalene
where SW & UV are altitudes

Prove: $SW \neq UV$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%