Proofs Practice Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the triangle diagram for both** G

**questions 1 and 2**

1. Given:

Prove: C is the midpoint of

B U C K S

1. Given: ∠BGC ≅ ∠SGC

bisects ∠UGK

Prove: ∠BGU ≅ ∠SGK

1. Given: ∠MAH ≅ ∠MHA M H

bisects ∠MAT and ∠THM

Prove: ∠MAT ≅ ∠THM

A T

G E O M

1. Given:

and trisect and

Prove:

T R Y A



5.

Given: 



Prove: 



6.

Given:  bisects 

 bisects 



Prove: 



7.

Given: 

Prove: 



8.

Given:

Prove: 

9.



2

1

4

3

**S**

**T**

**R**

**V**

10. The supplement of an angle is 12 more than twice its complement. Find the supplement.