Problem of the Week #6 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Geometry

**Due Tuesday January 31, 2012**

Directions: Write a two-column proof for the following…

(hint: It uses multiple pairs of triangles)

**Given**: is isosceles with

S is the midpoint of

**Prove**: