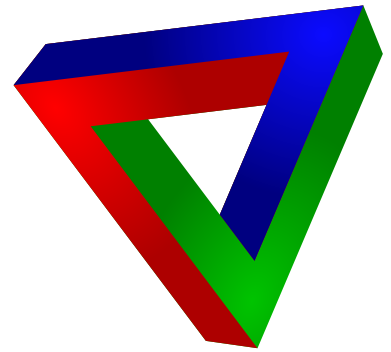# Problem of the Week
Problem B

Can You Draw It?

Use a protractor and ruler to draw triangles with the following properties, if you can. Find the measure of each angle on your triangles in parts a) to d), and label the side lengths for parts e) to h). If you can't draw such a triangle, explain why not.

a) A triangle with three acute angles.

b) A triangle with two right angles.

c) A triangle with one obtuse angle.

d) A triangle with two obtuse angles.

e) A triangle with side lengths 6 cm, 4 cm, and 4 cm.

f) A triangle with side lengths 6 cm, 4 cm, and 3 cm.

g) A triangle with side lengths 6 cm, 4 cm, and 2 cm.

h) A triangle with side lengths 3 cm, 4 cm, and 5 cm.

Check out other CEMC resources here:
http://cemc.uwaterloo.ca/resources/resources.html

STRAND: GEOMETRY AND SPATIAL SENSE