

**Geometry****Unit 4—ratio & proportions****Day 1—proportions practice****Name:** \_\_\_\_\_**Period:** \_\_\_\_\_Ratio practice—calculate the value for  $x$  in each of the following:

$$\frac{4}{8} = \frac{6}{6x}$$

$$\frac{3}{6} = \frac{8}{x}$$

$$\frac{x-1}{6} = \frac{5}{2}$$

$\triangle QRS \cong \triangle ZYX$  Sketch these two triangles and identify the pairs of congruent angles and the pairs of congruent sides.

The ratio of the angle measures in a triangle is 1:5:6.. What is the measure of each angle?

Sketch this and then write the equation to represent the situation:

Book work: page 457 #8,9,10 and #20 (use the back of this paper to show your work)