

## Honors Geometry HW 9/20, due Friday 9/23

### Classifying Triangles

For Exercises 5–9, sketch and label the figure. Mark the figures.

5. Isosceles acute triangle  $ACT$  with  $AC = CT$
6. Scalene triangle  $SCL$  with angle bisector  $\overline{CM}$
7. Isosceles right triangle  $CAR$  with  $m\angle CRA = 90^\circ$
8. Two different isosceles triangles with perimeter  $4a + b$
9. Two noncongruent triangles, each with side 6 cm and an angle measuring  $40^\circ$
10. Name the 3 pairs of corresponding congruent sides and 3 pairs of corresponding congruent angles in the figure below. Then fill in the blank with the correct name of the triangle.

$$\triangle EAR \cong \triangle \underline{\quad ? \quad} \textcircled{h}$$

