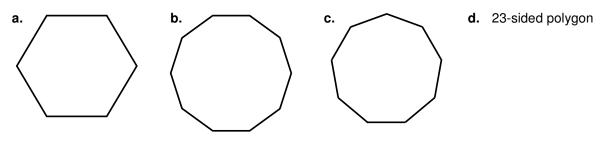
Equal Angles: Classwork

1. Find the interior angle sum of each of the following polygons. Show your work.

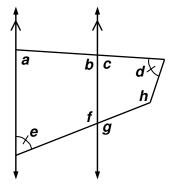


2. Suppose each of the polygons in #1 is a regular polygon. Find the measure of <u>one</u> interior angle for each of the polygons (round to the nearest tenth if necessary). Show your work.

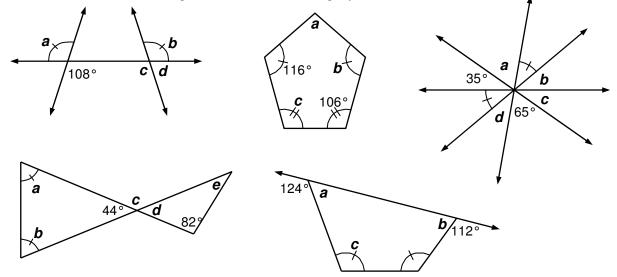


3. On your POD paper, make a Statements/Reasons table and list how you determined each unknown angle.

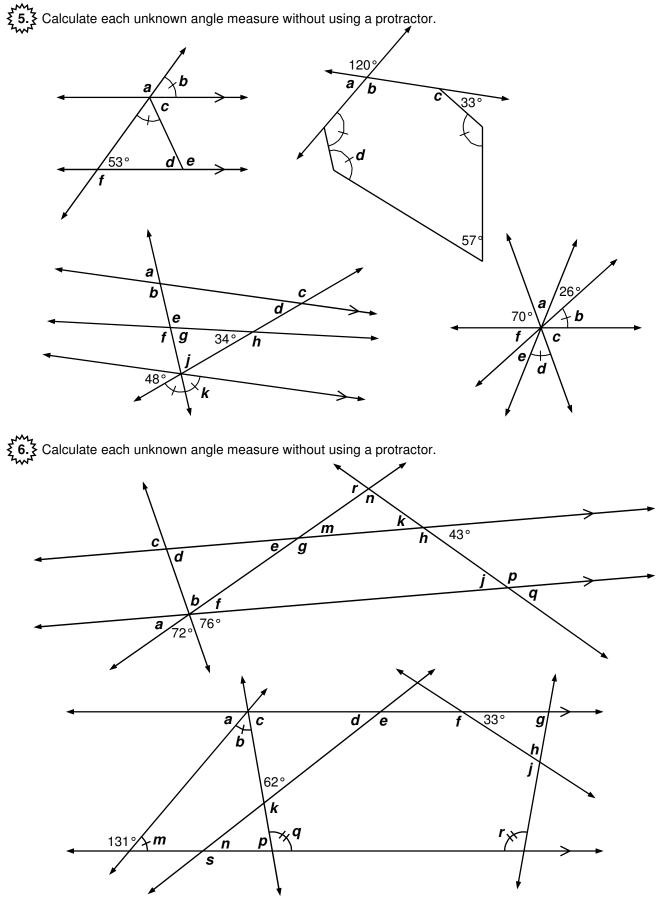
Find the missing angle measures if $m \angle c = 88^{\circ}$ and $m \angle g = 110^{\circ}$.



4. Calculate each unknown angle measure without using a protractor.



2-Geometry/EqualAngles.doc

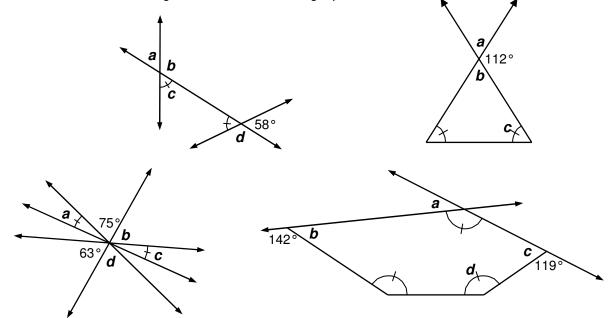


2-Geometry/EqualAngles.doc

Ricky Ohashi, 2013

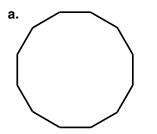
Equal Angles: Homework

7. Calculate each unknown angle measure without using a protractor.



8. Find the interior angle sum of each of the following polygons. Show your work.

b.



- **b.** 20-sided polygon
- c. 35-sided polygon

9. Suppose each of the polygons in #8 are regular polygons. Find the measure of <u>one</u> interior angle for each of the polygons (round to the nearest tenth if necessary). Show your work.

a.

C.