Finding Angles in Polygons

Name_____Pd____

Using what you know about angles in triangles and polygons, parallel lines, and other angle relationships, find the missing angles in each of the following problems or answer the question related to the picture shown.

3a + 224 = 360 3a = 136 $0 = 45.\overline{3}$

3. What is wrong with this picture?

The exterior Ls don't add up to 360°, like they should according to polygon Exterior L Theorem.

1549

4. m = 99 n = 82 p = 118 q = 136 r = 99 s = 64 t = 88 u = 116 v = 74 v = 56 v = 90 v = 106



