Routine Sh 1. Angle <i>a</i> = Reasons =	apes and Angles Practice #	#1	013 S
2. Angle <i>b</i> = Reasons =			
3. Angle <i>c</i> = Reasons =		110° 130° 130° 110°	
4. Angle <i>d</i> = Reasons =		4 <i>d</i>	

5.

Calculate the size of each exterior angle of a regular nonagon. (A nonagon is a polygon with nine sides.) Show each step of your working.



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40° (not reflex angle, exterior angle is _____)

Exterior angles of polygon = 360° . It is regular, so each angle is equal. $360 \div 9 = 40^{\circ}$

Nine sides means it can be built from 7 triangles. Each triangle adds 180° , so the total interior = $7 \times 180^{\circ} = 1260^{\circ}$. There are 9 equal interior angles, so each is 1260 \div 9 = 140. If the interior angles are 140, the exterior angles must be $180 - 140 = 40^{\circ}$