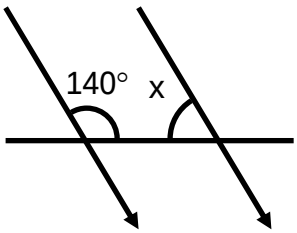
GEOMETRICAL REASONING

Name:

Assessment Criteria: Solve geometrical problems using properties of angles, of parallel and intersecting lines, and of triangles and other polygons

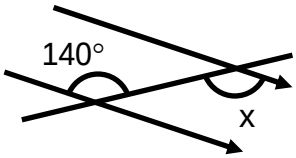
1. Calculate the value of the missing angles in the following diagrams, giving reasons for your answers

i)



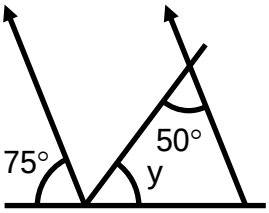
x = _____° because

ii)



x = _____° because

iii)



y = _____° because

2. The exterior angles of a pentagon are 70˚, 110˚, 65˚, 80˚ and p˚. Calculate the value of p.

p = _____°

3. Calculate the interior angle of a regular nonagon.

_____°

4. Explain why a regular nonagon does not tessellate.

Overall, I think my success level is:	Low ○ ○ ○ ○ High

Q	GEOMETRICAL REASONING	☺	☹
	I can solve geometrical problems involving parallel lines		
	I can find the exterior angle of a polygon		
	I can find the interior angle of a polygon		
	I can solve geometrical problems involving triangles and other polygons		
	I can present a concise, reasoned argument, using symbols, diagrams, graphs and related explanatory texts		
	I can use logical argument to establish the truth of a statement		

I need to practise …