G8 Chapter 6 Angles related to polygons
Time Limit: 10 – 15 minutes

Finished Time:___minutes
Marks:_____/20
Grade:

Name:_____( ) Class:_____ Date:_____ Signature:_____

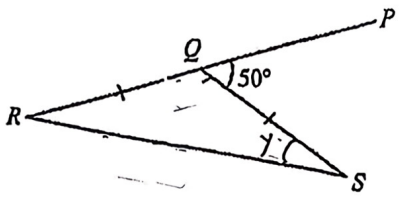
Rules for Grading:
Answer all questions
All step must be clearly shown in Part A and B

Finished within 10 min	
Range	Grade
Marks = 20	A++
Marks = 18-19	A+

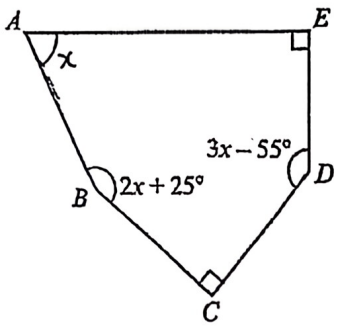
Finished beyond 10 min	
Range	Grade
Marks = 18-20	A
Marks = 16-17	B
Marks = 14-15	C
Marks = 12-13	D
Marks = 10-11	E

A. Short question (8 marks).

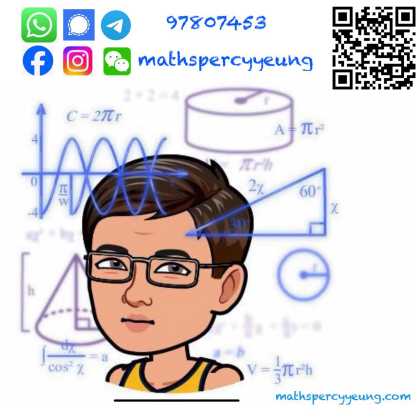
1. In the figure, PQR is a straight line. Find y. (3 marks)



2. Find x in the figure. (2 marks)

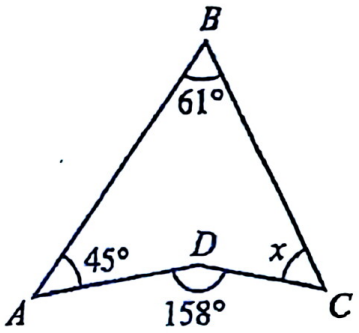


3. By how much is an exterior angle of a regular 24-sided polygon less than an exterior angle of a regular 20-sided polygon? (3 marks)

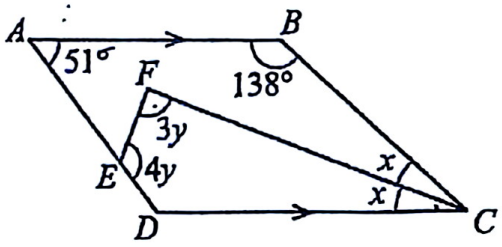


B. Long questions. (12 marks)

4. Find x in the figure. (4 marks)



5. Find x and y in each of the following figures. (4 marks)



6. If the sum of interior angles of a convex polygon is 11 times the sum of its exterior angles. Find the number of sides of the convex polygon. (4 marks)

END OF PAPER