Geometry/Trig	Name:		
Unit 4 Review Packet – page 1	Date:		
Part 1 - Polygons Review			
1) Answer the following questions about a regular decagon.			
a) How many sides does the polygon have?			
b) What is the sum of the measures of the interior angles?			
c) What is the measure of each interior angles?			
d) What is the sum of the measures of the exterior angles?			
e) What is the measure of each exterior angle?			
f) How many diagonals can be drawn in the polygon?			
2) Each exterior angle of a regular polygon is 90. Answer each question about the polygon.			
a) What is the sum of the exterior angles?			
b) How many sides does the polygon have?			
c) What is the name of the polygon?			
d) What is the sum of the measures of the interior	^ angles?		
e) What is the measure of each interior angle?			
f) How many diagonals can be drawn in the polygon?			
3) The sum of the interior angles of a regular poly	oon is 540 Answer each question about		
the netwoon			
The polygon.			
a) How many sides does the polygon have?			
b) What is the name of the polygon?			
c) What is the measure of each interior angle?			
d) What is the sum of the measures of the exterior angles?			
e) What is the measure of each exterior angle?			
f) How many diagonals can be drawn in the polygon?			

Part 2 - Segments in Triangles - Give the most specific name for each dotted segment.







Geometry/Trig

Name: _____

Unit 4 Review Packet - page 2

Date: _____

Part 3 - Determine whether the triangles are congruent. If they are, name the congruent triangles and the postulate or theorem you used. If there is not enough information, write none. Mark your diagrams.





Geometry/Trig

Unit 4 Review Packet - page 4

Name: _____

Date: _____





Given: $AC \cong DB$; $\angle CAD \cong \angle BDA$

Statements	Reasons	Prove: $CD \cong BA$
		A C D B



Given: PR bisects $\angle QPS$ and $\angle QRS$

Statements	Reasons	Prove: $RQ \cong RS$
		0
		, and the second
		S



