

8.3 Triangle Congruence Proofs

Each figure shows a number addition. When necessary, write the missing terms. Then, list the properties, axioms, and components of each vertex-angle.

(a)

Vertex	Angle	Component	Angle
$\angle A$	$\angle B$	$\angle C$	
$\angle D$	$\angle E$		$\angle F, \angle G$
$\angle H + \angle I$			



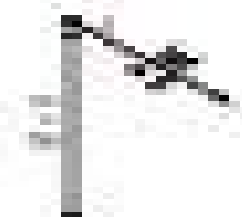
(b)

Vertex	Angle	Component	Angle
$\angle A$			$\angle B, \angle C$
$\angle D$			$\angle E, \angle F$
$\angle H + \angle I$			



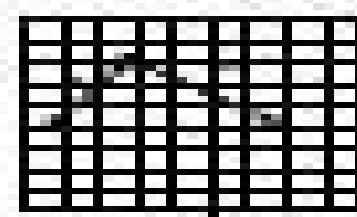
(c)

Vertex	Angle	Component	Angle
$\angle A$	$\angle B$	$\angle C$	
$\angle D$	$\angle E$	$\angle F$	
$\angle H + \angle I$			



(d)

Vertex	Angle	Component	Angle
$\angle A$			$\angle B, \angle C$
$\angle D$			$\angle E, \angle F$
$\angle H + \angle I$			



(e) "Two angles include the following lines in triangle. For each vertex, measure the angles on the triangle." Angles from previous pages are shown.

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