Congruent Parts

Congruent Polygons are	Same	512e	e£	Same	Shap	<u>د</u>	This
means that <u>each</u> side	of	one polygo	n is con	gruent to _	u	corresponding	<u>side</u> of
the other. The same holds true fo)r	angles					

 $ABCD \cong EFGH$



In the diagram above, $m \le A = 85$, $m \le D = 150$, and $m \le G = 20$. Find the measure of $\le B$.

	85 +150 + 20 +x = 360
SUM = 180 (N-2)	
# 18D (4 - 2)	-255 + x = 360 -255 -255
180(2)	[X = /05°]
360	<u> X = 103</u> _1



Try: $\triangle ABC = \triangle PRS$. If m<A = 35° and m<R = 56°, find:



b) If AB = 6, then and BC = 8, could SP = 12? Justify your answer.