Unit 6 Lesson a

Proving Triangles Congruent

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10. Given:
$$\Delta NEW \cong \Delta CAR$$
 $EN = 11$
 $AR = 2x - 4y$
 $EW = 10$
 $CA = 4x + y$

Draw the triangles and solve for x, y and CR .

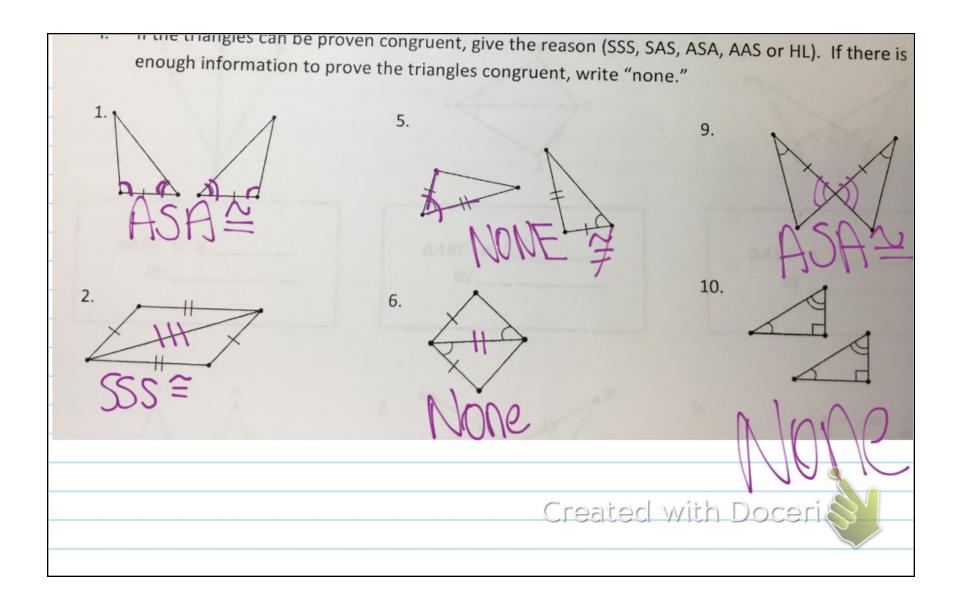
$$AX-Hy$$

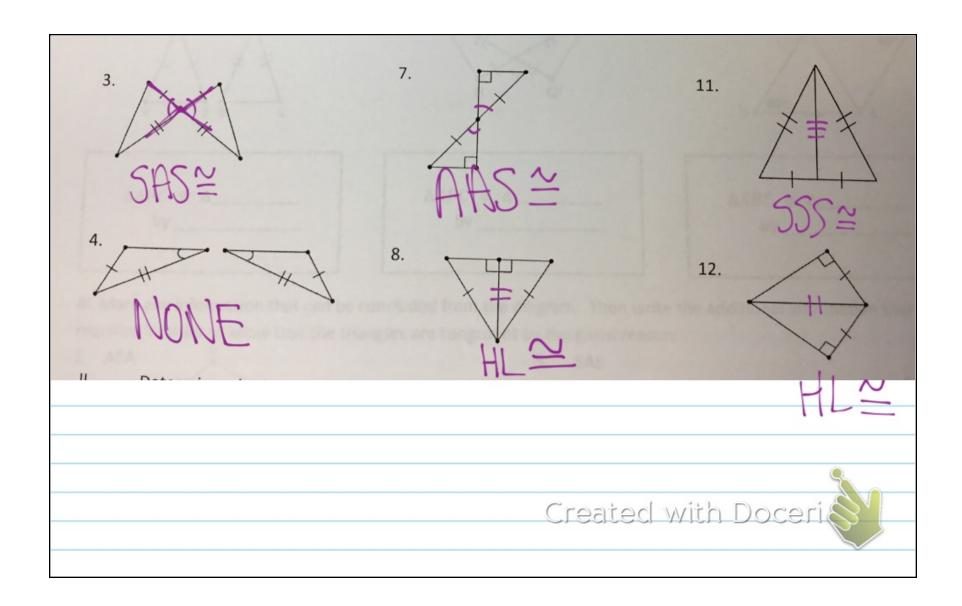
$$AY = 16x + 24y$$

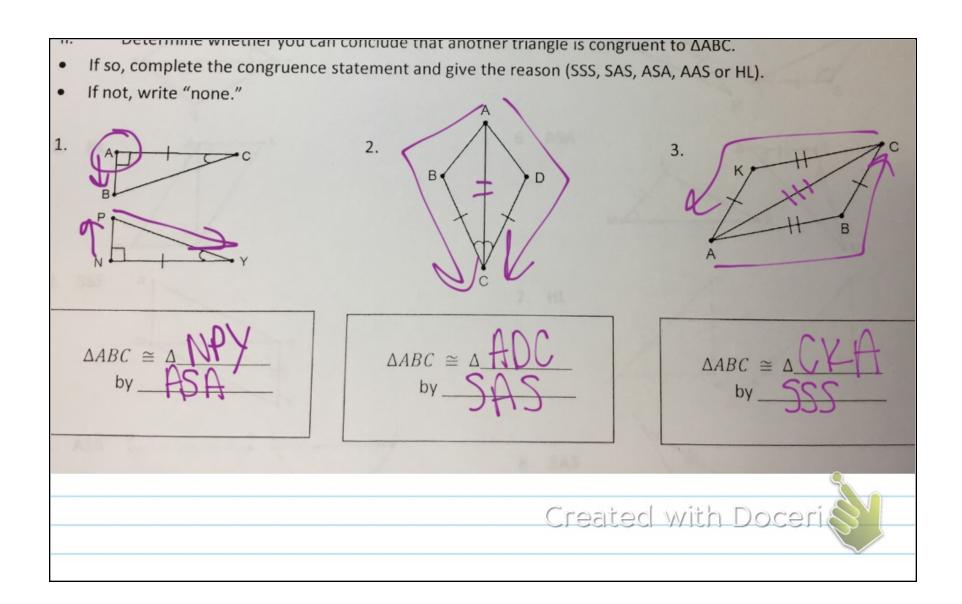
$$AY =$$

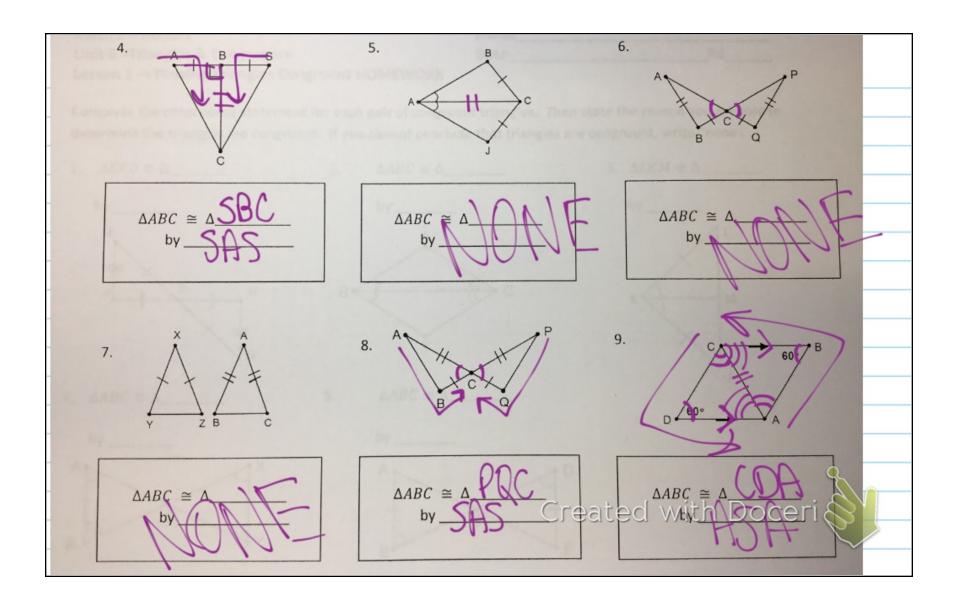
Jnit 6 –Triangles & Co esson 2 → Proving Tr		Pd
Side Side Side Congruence SSS	3 pairs of corresponding congruent sides	s are congruent:
Side Angle Side Congruence SAS	2 pairs of corresponding congruent sides and a corresponding included congruent angle	R W
Hypotenuse Leg Congruence HL	Only for RIGHT TRIANGLES: Congruent hypotenuses and one pair of corresponding congruent sides	ated with Doceri

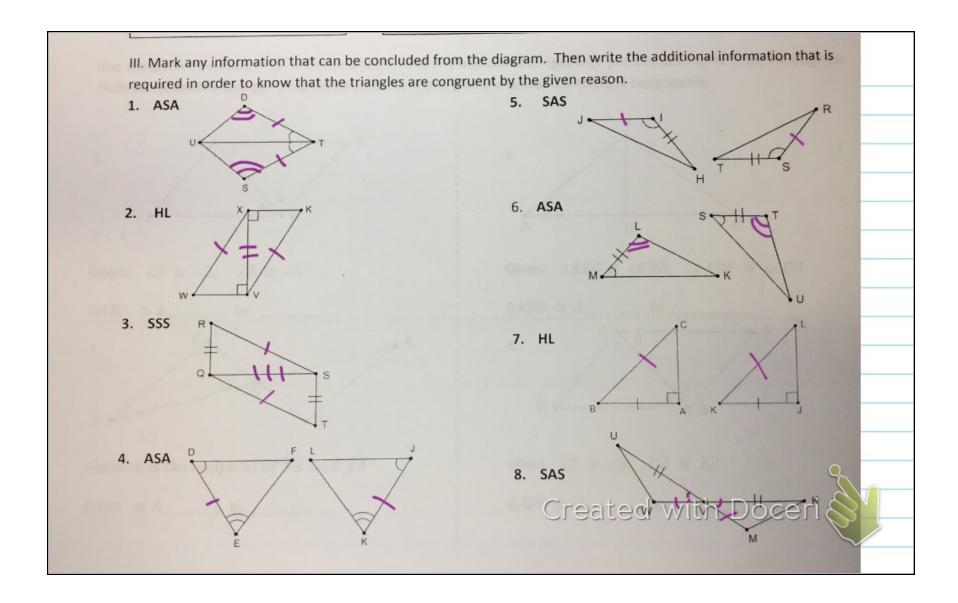
Angle Side Angle Congruence ASA	congruent angles and the included corresponding side congruent	A C D F
Angle Angle Side Congruence AAS	2 pairs of corresponding congruent angles and 1 pair of corresponding nonincluded congruent sides	A C
FALSE SHORCUTS	Angle Angle Angle Side Side Angle Congruence AAA or SSA (ASS)	Created with Docen











· Determine Congruence Created with Doceri

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