Date : ____/____/____

Exercise 7.2

1.

(a) $\triangle ABC \cong \triangle DEF \rightarrow$ SSS criteria

If three sides of a $\triangle$ are respectively $\cong$ or equal to the 3 sides of another $\triangle$

(b) ~~$\triangle RPQ \cong \triangle ZXY$~~

$\triangle PQR \cong \triangle XYZ \rightarrow$ SAS criterion

2 $\triangle$'s are $\cong$ if 2 sides and the $\angle$ included of one $\triangle$ are equal to the 2 sides and the angle included of another $\triangle$.

(c) $\triangle LMN \cong \triangle GFH \rightarrow$ ASA

2 $\triangle$'s are $\cong$ if 2 angles and the included side of one $\triangle$ is equal to the other $\triangle$

RHS congruence criterion :-

If under a correspondence, the hypotenuse and one side of a right-angles $\triangle$ are respectively equal to the hypotenuse and one side of another right-angled $\triangle$, then the $\triangle$'s are $\cong$.

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(d) $\triangle ABE \cong \triangle CDB \rightarrow$ RHS criterion

If under a correspondence, the hypotenuse and one side of a right-angled $\triangle$ are respectively equal to the hypotenuse and one side of another right angled $\triangle$, then the $\triangle$'s are $\cong$