

\* one Poss. Answer - Alternate answers follow

$k//l$	Given
$\angle 1 \cong \angle 5$	Corresponding Angles Postulate
$\angle 5 \cong \angle 7$	Vertical Angle Theorem
$\angle 1 \cong \angle 7$	Transitive Property of Congruence

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$\angle 4 \cong \angle 8$	Corresponding Angles Postulate
$\angle 8 \cong \angle 6$	Vertical Angle Theorem
$\angle 4 \cong \angle 6$	Transitive Property of Congruence

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$\angle 8 \cong \angle 6$	Vertical Angle Theorem
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$k//l$	Given
$\angle 1 \cong \angle 5$	Corresponding Angles Postulate
$\angle 5 + \angle 6 = 180^\circ$	Definition of Linear Pairs
$\angle 1 + \angle 6 = 180^\circ$	Substitution
$\angle 1$ and $\angle 6$ are supplementary	Definition of Supplementary

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$k//l$	Given
$\angle 2 \cong \angle 6$	Corresponding Angles Postulate
$\angle 6 + \angle 5 = 180^\circ$	Definition of Linear Pairs
$\angle 2 + \angle 5 = 180^\circ$	Substitution
$\angle 2$ and $\angle 5$ are supplementary	Definition of Supplementary

$k//l$	Given
$\angle 2 \cong \angle 6$	Corresponding Angles Postulate
$\angle 6 + \angle 5 = 180^\circ$	Definition of Linear Pairs
$\angle 2 + \angle 5 = 180^\circ$	Substitution
$\angle 2$ and $\angle 5$ are supplementary	Definition of Supplementary

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$\angle 2$ and $\angle 5$ are supplementary	Definition of Supplementary