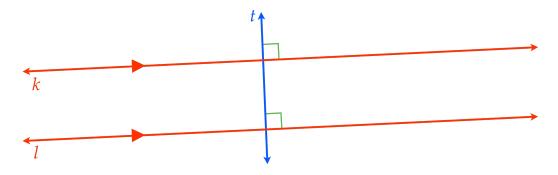
In a plane, if two lines are parallel and a transversal is perpendicular to one of them, then the transversal is perpendicular to the other line.

If Line $k \parallel \text{Line } l...$ and transversal, Line t is perpendicular to Line k... then transversal, Line t is also perpendicular to Line l...



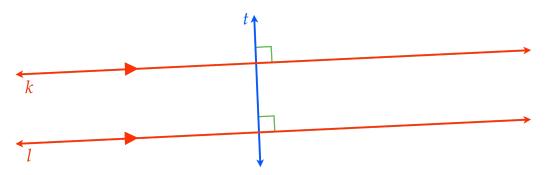
In a plane, if two lines are parallel and a transversal is perpendicular to one of them, then the transversal is perpendicular to the other line.

Statements	Reasons	Given: Line $k \parallel \text{Line } l$
		Line $t \perp$ Line k
		Prove: Line $t \perp$ Line l
		k 2

Converse to Perpendicular Transversal Theorem In a plane, if a transversal is perpendicular to two different lines,

then those two lines are parallel.

If the transversal, Line t is perpendicular to Line k and Line l... then Line $k \parallel \text{Line } l$...



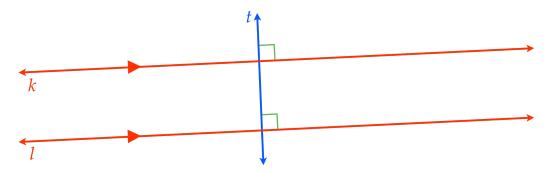
Converse to Perpendicular Transversal Theorem

In a plane, if a transversal is perpendicular to two different lines, then those two lines are parallel.

then those two lines are parallel.		
Statements	Reasons	Given: Line $t \perp$ Line l Line $t \perp$ Line k
		Prove: Line $k \parallel \text{Line } l$
		$t \downarrow 1$ $k \downarrow 1$

In a plane, if two lines are parallel and a transversal is perpendicular to one of them, then the transversal is perpendicular to the other line.

If Line $k \parallel \text{Line } l...$ and transversal, Line t is perpendicular to Line k... then transversal, Line t is also perpendicular to Line l...



Converse to Perpendicular Transversal Theorem
In a plane, if a transversal is perpendicular to two different lines, then those two lines are parallel.

If the transversal, Line t is perpendicular to Line k and Line l... then Line $k \parallel \text{Line } l$...

