Parallel & Perpendicular Assessment

Assessment Game Board

Using the assessment game board you must explain the path laid out by the blue dots to get from the start to the finish. For each “move” you must only use one set of parallel lines and one transversal of your choosing, list those in the chart below. You must also prove that the lines you chose as parallel are actually parallel, this may involve a transversal that you are not using in your legal “move.” Finally, you must state what theorem allows your piece (blue dot) to move from one position to the next, you must follow the numbered dots in order from start to finish. You may use the move “adjacent angle” up to twice in the assessment, which does not require proof of parallels, and you may use the move “equal angles” up to twice in the assessment, but this will require proof.

(Below is an example of how students would fill out the table, this would not be on the actual exam but it would be clarified beforehand in a similar example)

Move	Parallels	Transversal	Parallel Proof	Move
1	L6 & L7	L5	Transversal L3, ∠ 3 Corresponding ∠ 4	Opposite External
2				
3				
4				
5				
6				
7				
8				
9				
