Properties of Transformations

Write T (True) or F (False) in each cell in the first three columns.
The remaining columns can be used later for two other important transformations.

Under this transformation	Translation	Rotation	Reflection	Glide Reflection	Dilation
Distance is preserved. In other words, line segments map to line segments of the same length.					
Parallelism is preserved. In other words, parallel lines map to parallel lines.					
Angle measure is preserved. In other words, angles map to angles of the same measure.					
Collinearity is preserved. In other words, if three points line on a line, then their images lie on a line, the image line.					
Betweeness is preserved. In other words, if *B* is between *A* and *C* on a line, then *B'* is between *A'* and *C'* on the image.					
Orientation is preserved. In other words, if moving from point *A* to point *B* to point *C* etc. is in the clockwise direction, then moving from point *A'* to point *B'* to point *C'* is also in the clockwise direction.					