1)To prove that line segments/sides of a shape, such as square and rhombus are congruent, prove that the lengths are equal.

- USE DISTANCE FORMULA

$$d = \sqrt{(x^2 - x^1)^2 + (y^2 - y^1)^2}$$

- 2) To prove line segments/diagonals bisect each other, prove that the midpoints are the same ale.
 - USE MIDPOINT AURMULA
- M= (x1 + 10 + 10 + 10 + 10 + 2) 3) To prove lines are parallel, prove that the slopes are equal.
 - USE SLOPE FORMULA

m = (y2 - y1) / (x2 - x1)

- 4) To prove that lines are perpendicular, prove that the slopes are negative reciprocals.
- The products of the slopes should be -1.