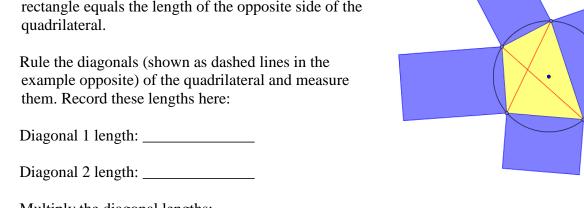
- 1 Use Maths-Pro or Geo-Pro to draw any cyclic quadrilateral (i.e. a quadrilateral whose corners are on the circumference of a circle).
- 2 Draw a rectangle on each side of the quadrilateral so that the length of the "non-quadrilateral side" of the rectangle equals the length of the opposite side of the quadrilateral.
- 3 them. Record these lengths here:



4 Multiply the diagonal lengths:

Diagonal 1 × Diagonal 2 = _____

5 Find the total area of the four rectangles:

Rectangle 1 Area:

Rectangle 2 Area:

Rectangle 3 Area:

Rectangle 4 Area:

TOTAL rectangle Area:

- 6 Compare the total rectangle area with your answer in step 4.
- 7 Repeat the above for one or more different quadrilaterals.