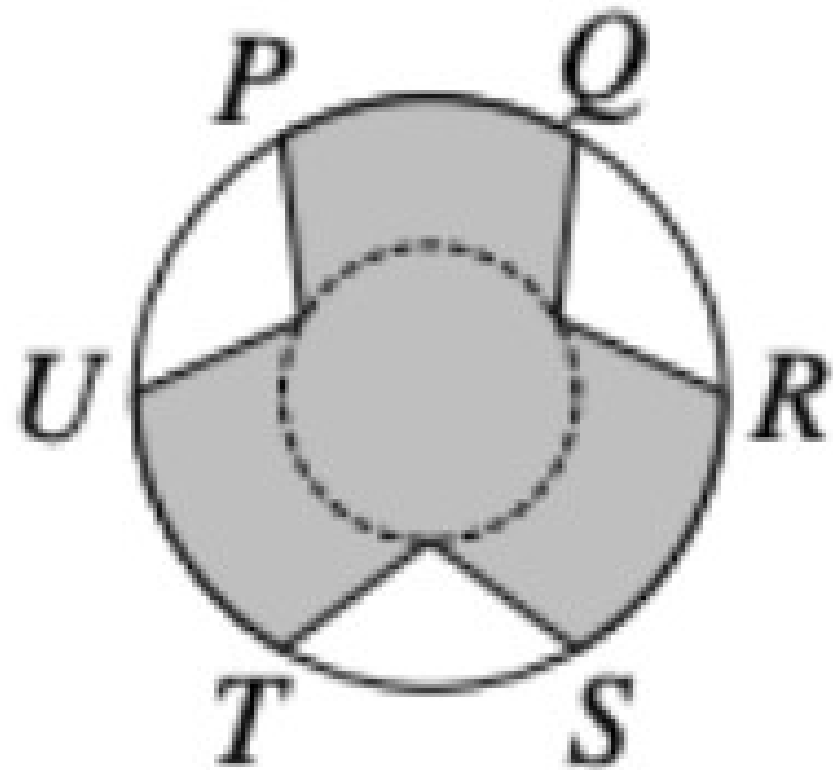


Week 8: Harder - open to all years

Find the area of the shaded region



All answers should be submitted to Mrs Uff by close of play Friday 1st May with your name, your tutor base, your house and a fully worked Mathematical solution. Good Luck!

P, Q, R, S, T and U are equally spaced around a circle of radius 2cm. The inner circle has radius 1cm. The shaded region has 3 lines of symmetry. What is the area of the shaded region in terms of π ?