16	$120 = \frac{1}{2} \times a \times b \times \sin 50$ oe or $\frac{120 \times 2}{\sin 50}$ oe or $120 = \frac{1}{2} \times 2x \sin 25 \times x \cos 25$ oe or $\frac{120 \times 2}{2 \times \sin 25 \times \cos 25}$ oe or 313(.2977494)		4	M1 for a **correct** equation for $a \times b$ or r^2 (allow any letters for a or b) or for a **correct** expression for $a \times b$ or r^2 or for 313(.2977494)
	$(radius =) \sqrt{\frac{120 \times 2}{\sin 50}}$ (= 17.7(0021891)) oe or $(radius =) \sqrt{\frac{120 \times 2}{2 \times \sin 25 \times \cos 25}}$ (= 17.7(0021891)) oe or $(radius =) \sqrt{313(.2977494)}$ (= 17.7(0021891))			M1 for a **correct** rearrangement to find the radius or for square rooting 313(.2977494) or for 17.7(0021891))
	(area of $OAPB =) \pi \times "17.7"^2 \times \frac{50}{360}$ oe			M1
	Correct answer scores full marks (unless from obvious incorrect working)	137		A1 awrt 137
				Total 4 marks