1	68.5	B1	for angle $OAB = 90^{\circ}$ or angle $OCB = 90^{\circ}$, may be seen on diagram
		P1	for a process to find the length of <i>AB</i> or the length of <i>CB</i> (= $10\sqrt{3}$ oe) eg $10 \times \tan 60^\circ$ (= 17.3) or the length of <i>OB</i> (= 20), eg $10 \div \cos 60^\circ$
		P1	for a process (dep previous P1) to find the area of the triangle <i>OAB</i> (= $50\sqrt{3}$ oe) or area of triangle <i>OCB</i> (= $50\sqrt{3}$ oe) or area of kite <i>OABC</i> (= $100\sqrt{3}$ oe)
		P1	for a process to find the area of the sector <i>OAC</i> e.g. $\frac{1}{3} \times \pi \times 10^2$ (= 104.7),accept rounded or truncated to 3 significant figures or more
		A1	for 68.4 - 68.6

2	shown	C1	for method to find area of semicircle, eg $\pi \times 10^2 \div 2$ (= 50 π)	Can award first 3 marks if a value for π is used
		C1	for method to find area of quarter circle, for $\pi \times 20^2 \div 4$ (= 100 π)	
		C1	for a complete method to find area shaded and area of square, eg $\pi \times 20^2 \div 4 - \pi \times 10^2 \div 2$ and 20×20	Working out to find the area of the shaded region must be shown
		C1	fully correct working leading to $\frac{\pi}{8}$	