3	Indicates that triangle XZY is isosceles and $\angle XZY = 90°$ May be implied in working or indicated on diagram	M1
	By Pythagoras, $\|XZ\|^2 + \|YZ\|^2 = \|XY\|^2$ $\left(\frac{6}{2}\right)^2 + \left(\frac{6}{2}\right)^2 = \|XY\|^2 = 18$	M1
	$\|XY\| = 3\sqrt{2}$	M1

3 cont.	Finds area of shaded semicircle $\frac{1}{2}\pi\left(\frac{3\sqrt{2}}{2}\right)^2 = \frac{9}{4}\pi \text{ cm}^2$	A1
	Process to find area of segment $\frac{90}{360} \times \pi\left(\frac{6}{2}\right)^2 - \frac{1}{2} \times 3^2 \times \sin 90 = \left(\frac{9}{4}\pi - \frac{9}{2}\right) \text{cm}^2$	M1
	Process to find total area resulting in desired form $\frac{9}{4}\pi + \left(\frac{9}{4}\pi - \frac{9}{2}\right) = \frac{9}{2}(\pi - 1) \text{ cm}^2$	A1 **[6]** **[6 marks]**