

The diagram shows triangle ABC in which angle B is a right angle. The length of AB is 8 cm and the length of BC is 4 cm. The point D on AB is such that AD = 5 cm. The sector DAC is part of a circle with centre D.

(a)	Find the perimeter of the shaded region.	[5]
		•••••
		•••••
		•••••
		•••••
		•••••
		•••••
		•••••
		•••••

(b)	Find the area of the shaded region.	[3]
		•••••