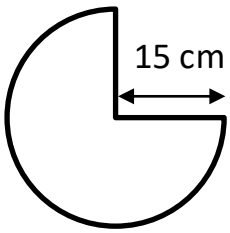
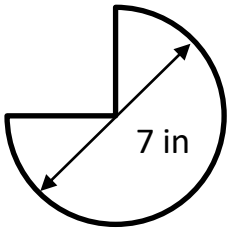
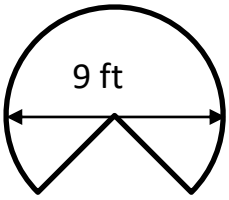
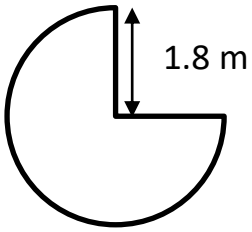
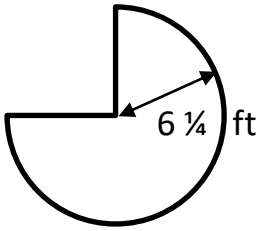
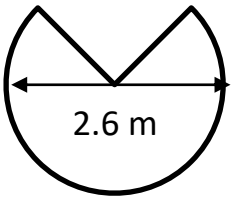
Name Date

AREA OF ¾ CIRCLES SHEET 2

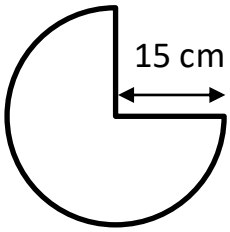
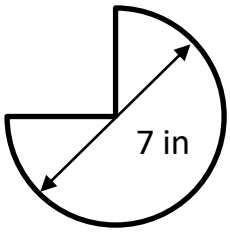
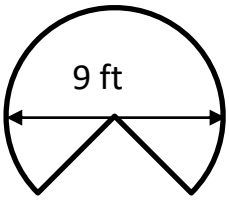
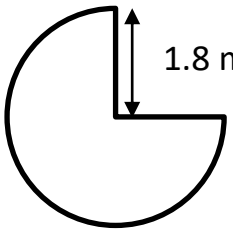
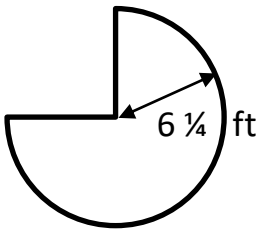
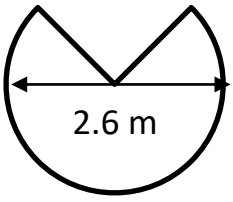
Use the radius or diameter measurement to find the area of these ¾ circles. Give your answers to 2dp.

		WORKING OUT	AREA
1)			
2)			
3)			
4)			
5)			
6)			

Name Date

AREA OF ¾ CIRCLES SHEET 2 ANSWERS

Use the radius or diameter measurement to find the area of these ¾ circles. Give your answers to 2dp.

		WORKING OUT	AREA
1)		Radius = 15 cm ¾ x π x 15^2 = ¾ x π x 225 = (675/4) π = 530.14 to 2dp	530.14 cm^2
2)		Diameter = 7 in, so Radius = 3 ½ in ¾ x π x $(3\ ½)^2$ = ¾ x π x (49/4) = (147/16) π = 28.86 to 2dp	28.86 in^2
3)		Diameter = 9 ft, so Radius = 4 ½ ft ¾ x π x $(4\ ½)^2$ = ¾ x π x (81/4) = (243/16) π = 47.71 to 2dp	47.71 ft^2
4)		Radius = 1.8 m ¾ x π x 1.8^2 = ¾ x π x 3.24 = 2.43 π = 7.63 to 2dp	7.63 m^2
5)		Radius = 6 ¼ ft ¾ x π x $(6\ ¼)^2$ = ¾ x π x 625/16 = (1875/64) π = 92.04 to 2dp	92.04 ft^2
6)		Diameter = 2.6 m, so Radius = 1.3 m ¾ x π x $(1.3)^2$ = ¾ x π x 1.69 = 1.2675 π = 3.98 to 2dp	3.98 m^2