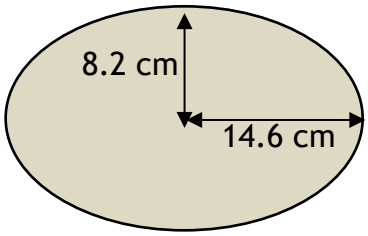
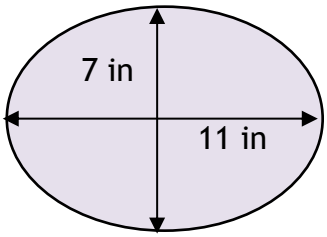
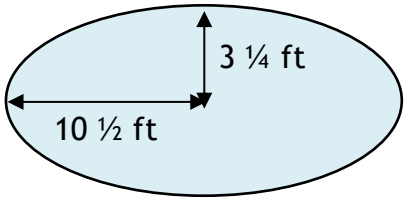
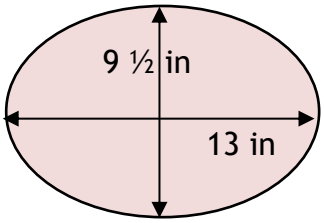
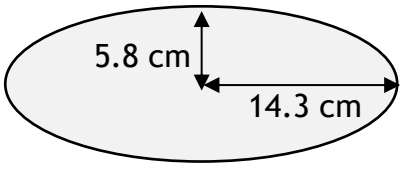
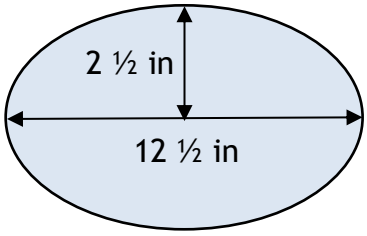
Name Date

AREA OF AN OVAL SHEET 2

Use the measurements of the radii and diameters to find the area of these ovals, giving your answers to 1 decimal place.

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

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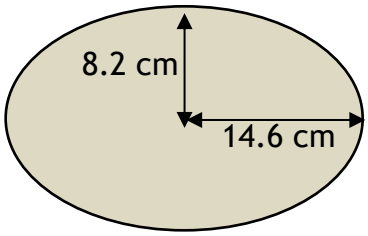
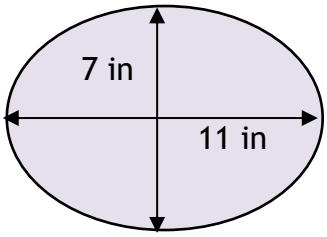
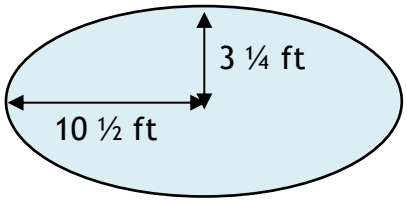
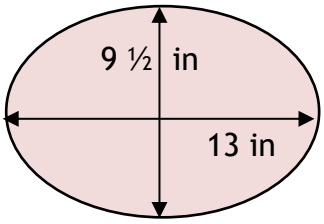
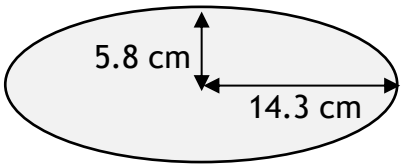
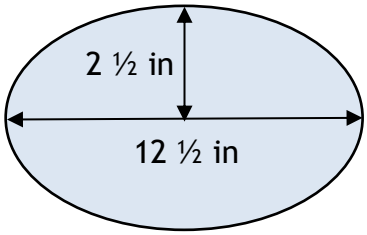
Name Date

AREA OF AN OVAL SHEET 2 ANSWERS

Use the measurements of the radii and diameters to find the area of these ovals, giving your answers to 1 decimal place.

	WORKING OUT	AREA
1) 	Area of an oval = πab, where a is the length of the major radius and b is the length of the minor radius. = π x 14.6 x 8.2 = 119.72π = 376.1 cm^2 to 1 decimal place	376.1 cm^2
2) 	Diameters are 11 in and 7 in. So radii are 11 ÷ 2 = 5 ½ in and 7 ÷ 2 = 3 ½ in Area of an oval = πab = π x 5 ½ x 3 ½ = 19 ¼ π = 60.5 in^2 to 1 decimal place	60.5 in^2
3) 	Area of an oval = πab = π x 10 ½ x 3 ¼ = 34 ⅛ π = 107.2 ft^2 to 1 decimal place	107.2 ft^2
4) 	Diameters are 13 in and 9 ½ in. So radii are 13 ÷ 2 = 6 ½ in and 9 ½ ÷ 2 = 4 ¾ in Area of an oval = πab = π x 6 ½ x 4 ¾ = 30 ⅞ π = 97.0 in^2 to 1 decimal place	97.0 in^2
5) 	Area of an oval = πab = π x 14.3 x 5.8 = 82.94 π = 260.6 cm^2 to 1 decimal place	260.6 cm^2
6) 	Major diameter is 12 ½ in. So major radius is 12 ½ ÷ 2 = 6 ¼ in Area of an oval = πab = π x 6 ¼ x 2 ½ = 15 ⅝ π = 49.1 in^2 to 1 decimal place	49.1 in^2

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