

Name

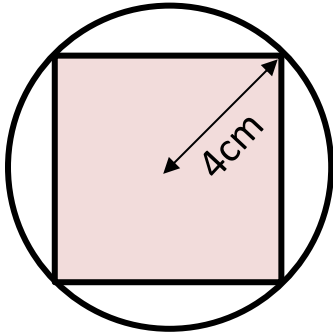
Date



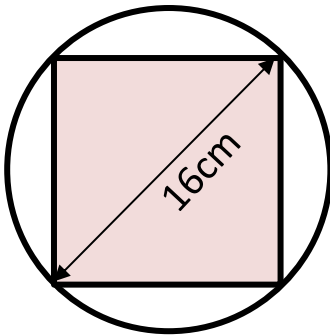
AREA OF A SQUARE INSCRIBED BY A CIRCLE 1

Find the area of these squares.

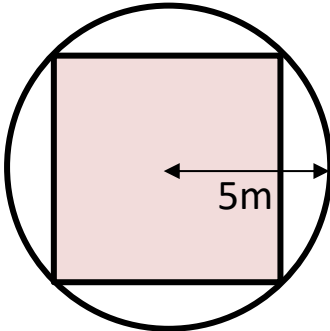
1)



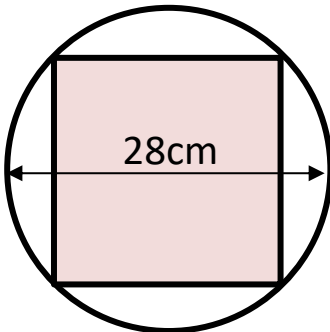
2)



3)



4)



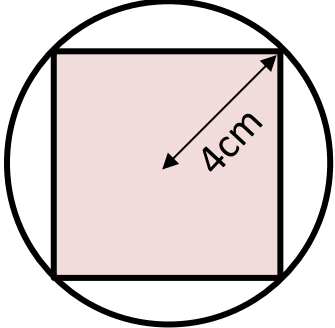
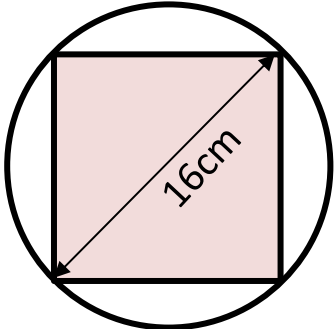
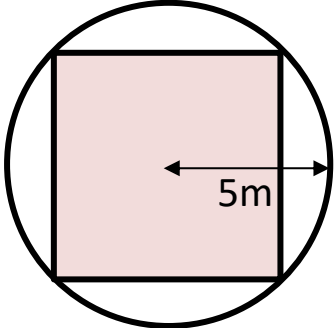
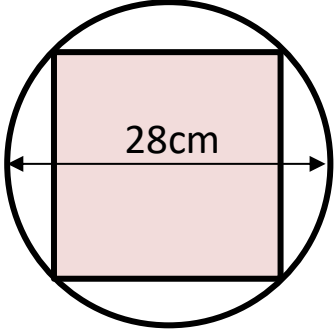
Name

Date



AREA OF A SQUARE INSCRIBED BY A CIRCLE 1 ANSWERS

Find the area of these squares.

1) 	Area of square = $2r^2 = 2 \times (4)^2 = 2 \times 16 = \underline{32 \text{ cm}^2}$
2) 	Diameter = 16 cm, so radius = $16 \div 2 = 8 \text{ cm}$ Area of square = $2r^2 = 2 \times (8)^2 = 2 \times 64 = \underline{128 \text{ cm}^2}$
3) 	Area of square = $2r^2 = 2 \times (5)^2 = 2 \times 25 = \underline{50 \text{ m}^2}$
4) 	Diameter = 28 cm so radius = $28 \div 2 = 14 \text{ cm}$. Area of square = $2r^2 = 2 \times (14)^2 = 2 \times 196 = \underline{392 \text{ cm}^2}$