

Unit Conversions

pg 130
#(2-5)ac

Imperial:

$$1 \text{ foot} = 12 \text{ inches} = 30.48 \text{ cm}$$

$$1 \text{ yard} = 3 \text{ feet} = 91.44 \text{ cm}$$

$$1 \text{ mile} = 5280 \text{ ft.} = 1760 \text{ yards} = 1.6 \text{ km}$$

$$1 \text{ sq. ft.} = 144 \text{ sq. in.}$$

$$1 \text{ cu. ft.} = 1728 \text{ cu. in.}$$

Area Formulas

Rectangle $A = l \times w$



Trapezoid $A = \left(\frac{a+b}{2}\right)h$



Triangle $A = \frac{bh}{2}$



Circle $A = \pi r^2$



Parallelogram $A = b \times h$

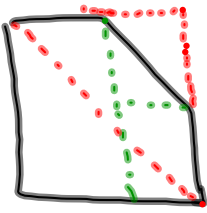


Ellipse $A = \pi a b$



Composite Figures

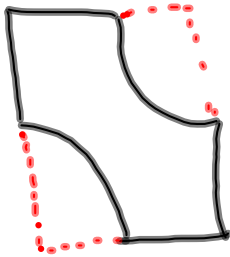
How would you determine the area of...



→ Divide into smaller shapes & add

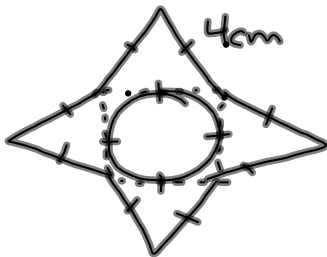
or

→ Find the area of a larger shape and subtract the extra



→ Full square - half circle

Shuriken



31.11

31.07

31.09



31.146

pg. 131 # 10ef, 14, 21, 22, 23