

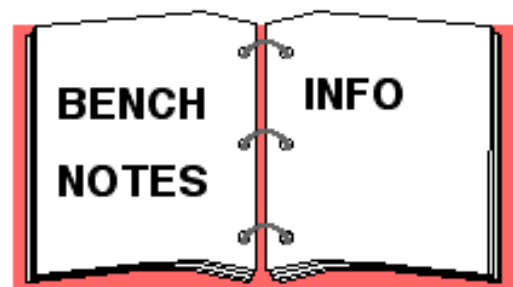
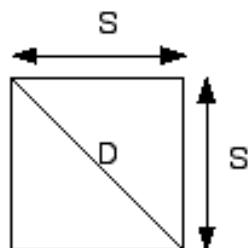
FORMULAS

SQUARES

AREA:
 $= S \times S$
 or $1/2 D \text{ squared.}$

TO FIND D:
 $= 1.4142 \times S$

TO FIND S:
 $= 0.7071 \times D$



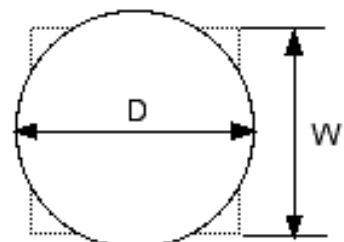
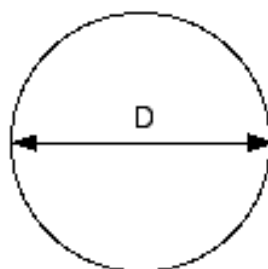
CIRCLE AND SQUARE OF EQUAL AREA

CIRCLES

AREA:
 $= D \text{ squared} \times 0.7854$

CIRCUMFERENCE:
 $= D \times 3.1416$

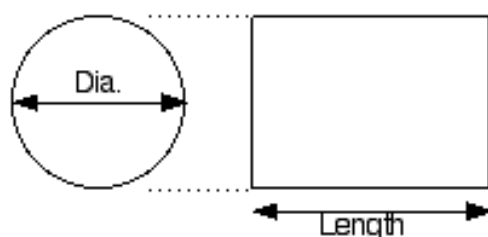
DIAMETER:
 $= C \times 0.3183$



WIDTH OF SQUARE:
 $= \text{Dia.} \times 0.8862$

DIAMETER OF CIRCLE:
 $= \text{Width} \times 1.1284$

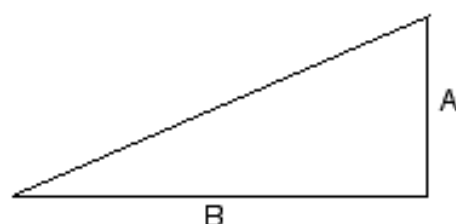
CYLINDRICAL TANK



VOLUME:
 $= \text{Dia. squared} \times \text{Length} \times 0.7854$

CAPACITY IN GALLONS:
 $= \text{Volume in cubic inches} \div 231$
 or
 $= \text{dia. in inches times 2, square the result, multiply by length in feet and divide by 100.}$
 [This is approximate.]

RIGHT ANGLE TRIANGLE



AREA
 $= A \times B \text{ divided by 2}$