Rules Relative to the Circle

To Find Circumference
– Multiply diameter by 3.1416
– Or divide diameter by 0.3183

To Find Diameter
– Multiply circumference by 0.3183
– Or divide circumference by 3.1416

To Find Radius
– Multiply circumference by 0.15915
– Or divide circumference by 6.28318

To Find Side of an Inscribed Square
– Multiply diameter by 0.7071
– Or multiply circumference by 0.2251
– Or divide circumference by 4.4428

To Find Side of an Equal Square
– Multiply diameter by 0.8862
– Or divide diameter by 1.1284
– Or multiply circumference by 0.2821
– Or divide circumference by 3.545

Square
– A side multiplied by 1.4142 equals diameter of its circumscribing circle
– A side multiplied by 4.443 equals circumference of its circumscribing circle
– A side multiplied by 1.128 equals diameter of an equal side
– A side multiplied by 3.547 equals circumference of an equal circle

To Find the Area of a Circle
– Multiply circumference by one-quarter of the diameter
– Or multiply the square of diameter by 0.7854
– Or multiply the square of circumference by .07958
– Or multiply the square of 1/2 diameter by 3.1416

To Find the Surface of a Sphere or Globe
– Multiply the diameter by the circumference
– Or multiply the square of a diameter by 3.1416
– Or multiply four times the square of radius by 3.1416