

- (81) What is the base of a triangle whose area=2560, and perpendicular height 40 feet? Ans. $b=128$ feet.
- (82) Required the altitude of a triangle whose area=117.5625 square yards, and base=49 feet 6 inches. Ans. $P=42$ feet, 9 inches.
- (83) Find the area of a triangular field, whose sides are 1200, 1800 and 2400 links. Ans. $A=10$ acres, 1 rood, 33 poles.
- (84) Find the area of an equilateral flower bed whose side=25 yards. Ans. $A=270.625$ yards.
- (85) The four sides of a trapezium inscribed in a circle are 75, 40, 60 and 55 links, what is its area? Ans. $A=3146.427$ links
- (86) Find the area of a park in the form of a regular octagon, whose side=12 chains, and apothem 14.485 chains. Ans. $A=69$ acres, 2 roods, 4.6 poles.
- (87) What is the circumference of a circle whose diameter is 44 feet? Ans. $c=138.23$ feet.
- (88) Required the diameter of a circle whose circumference is 78.54 yards. Ans. $d=2r=25$ yards.
- (89) What is the area of a circle whose diameter=80 feet? Ans. $A=5026.56$ feet.
- (90) Required the area of a circular garden whose diameter is 200 yards and circumference 628.32 yards. Ans. $A=31416$ square yards.
- (91) Find the area of a circle whose circumference=200 feet. Ans. $A=3184$ square feet.
- (92) The radius of a circle is 50 feet, what will be area of the sector whose circular arc is 30 feet in length? Ans. $A=750$ feet.
- (93) Find the area of a sector, the circular arc of which contains 40° , the diameter being 60 feet. Ans. $A=314.16$ feet.
- (94) Find the area of a circular annulus, the circumferences of the containing circles being 90 and 60. Ans. $A=358.2$.