planetmath.org

Math for the people, by the people.

index of entries on compass and straightedge constructions

Canonical name	IndexOfEntriesOnCompassAndStraightedgeConstructions
Date of creation	2013-03-22 17:11:15
Last modified on	2013-03-22 17:11:15
Owner	Wkbj79 (1863)
Last modified by	Wkbj79 (1863)
Numerical id	30
Author	Wkbj79 (1863)
Entry type	Topic
Classification	msc 51M15
Classification	msc 51-00
Related topic	HighschoolMathematics

The following entries discuss compass and straightedge constructions:

- geometric constructions by Euclid

- perpendicular bisector

- midpoint

- compass and straightedge construction of perpendicular

- compass and straightedge construction of angle bisector

- compass and straightedge construction of regular triangle

- compass and straightedge construction of duplicating an angle

- compass and straightedge construction of center of given circle

- construct the center of a given circle

- construction of tangent

- circumcenter ()

- compass and straightedge construction of parallel line

- compass and straightedge construction of square

- http://planetmath.org/NSectionOfLineSegmentWithCompassAndStraightedge n-section of line segment with compass and straightedge

- circle with given center and given radius

- compass and straightedge construction of similar triangles

- compass and straightedge construction of geometric mean

- construction of fourth proportional

- construction of central proportional

- compass and straightedge construction of inverse point

- compass and straightedge construction of regular pentagon

- http://planetmath.org/ConstructionOfRegular2 of regular $2n$-gon from regular n-gon

- http://planetmath.org/CompassAndStraightedge and straightedge construction

- constructible numbers

- theorem on constructible numbers

- theorem on constructible angles

- criterion for constructibility of regular polygon

- classical problems of constructibility

1