Trigonometry and Vector Geometry

acute (angle)	[ə'kjuːt]	spitzer (Winkel)
altitude	['æltɪ,tjuːd]	Höhe
angle *the space between two lines or surfaces that join, measured in degrees*	['æŋgᵊl]	Winkel
to apply	[ə'plaɪ]	hier: Anwendung finden
arc	[ɑːk]	Bogen
area	['eərɪə]	Fläche
axis (*sg.*), axes (*pl.*) *an imaginary line through the centre of an object, around which the object turns*	['æksɪs] ['æksiːz]	Achse
base (angle)	[beɪs]	Basis(winkel)
to bend, bent, bent	[bend]	biegen
(angle) bisector	[baɪ'sektə]	(Winkel-) Halbierende
to calculate		aus-, berechnen
calculation		Berechnung
calculator		(Taschen)rechner
chord	[kɔːd]	Sehne
circle *a completely round flat shape*	['sɜːkᵊl]	Kreis
circular	['sɜːkjʊlə]	kreisförmig
to circumscribe	['sɜːkəmskraɪb]	umschreiben
to compute		aus-, berechnen
to convert		umrechnen, umwandeln
coordinate	[kəʊ'ɔːdɪ,neɪt]	Koordinate
to correspond		entsprechen, sich decken
cosine	['kəʊ,saɪn]	Cosinus
cube	[kjuːb]	Würfel, Kubus
curve	[kɜːv]	Kurve
degree		Grad
to denote		bezeichnen
diagonal	[daɪ'ægənᵊl]	Diagonale
edge	[edʒ]	Kante, Rand
equation	[ɪ'kweɪʃən]	Gleichung
to evaluate	[ɪ'væljʊ,eɪt]	berechnen
geometry *the branch of mathematics that deals with the measurements and relationships of lines, angles, surfaces and solids*	[dʒɪ'ɒmɪtrɪ]	Geometrie
height	[haɪt]	Höhe
hypotenuse *the side opposite the right-angle of a right-angled triangle*	[haɪ'pɒtɪ,njuːz]	Hypotenuse
incidence, angle of	['ɪnsɪdəns]	Einfallwinkel
to inscribe	[ɪn'skraɪb]	einbeschreiben
interior (angle)		Innen(-winkel
intersection	[,ɪntə'sekʃən]	Schnittpunkt, -fläche, menge
isosceles (triangle) *having two of its three sides the same length*	[aɪ'sɒsɪ,liːz]	gleichschenklig(es Dreieck)

law	[lɔː]	Gesetz
median	['miːdɪən]	Seitenhalbierende
pentagon *a flat shape with five straight sides and five angles*	['pentə,gɒn]	Fünfeck
perimeter *the total length of the outside edge of an area or a shape*	[pə'rɪmɪtə]	Umfang
plane	[pleɪn]	Ebene
quadrant	[,kwɒdrənt]	Quadrant
quadrilateral	[,kwɒdrɪ'lætərəl]	vierseitig (auch Viereck)
quantity	['kwɒntɪtɪ]	Grösse
radian	['reɪdɪən]	Bogenmass, Radiant
radius (*sg.*), radii (*pl.*) *a straight line between the centre of a circle and any point on its outer edge*	['reɪdɪəs], ['reɪdɪ,aɪ]	Radius, Radien
range	[reɪndʒ]	Spannweite, Umfang
rectangle *a flat shape with four straight sides, two of which are longer than the other two, and four angles of 90°*	['rek,tæŋgᵊl]	Rechteck
rectangular	[rek'tæŋgjʊlə]	rechteckig
refraction	[rɪ'fræʃən]	(Licht)brechung
regular	['regjʊlə]	regelmässig
rhombus *a flat shape with four equal sides and four angles which are not 90°*	[rɒmbəs]	Rhombus
right-angled		rechtwinklig
segment	['segmənt]	(Kreis)abschnitt
semicircle	['semɪ,sɜːkᵊl]	Halbkreis
side		Seite
sine *the ratio of the length of the side opposite one of the angles in a right-angled triangle that are less than 90° to the length of the longest side*	[saɪn]	Sinus
size	[saɪz]	Grösse, Mass
square *a flat shape having four straight equal sides and four angles of 90°*	[skweə]	Quadrat
tangent	['tændʒənt]	Tangente, Tangens
transition	[træn'zɪʃən]	Übergang
trapezoid *a flat shape with four straight sides, none of which are parallel*	['træpɪ,zɔɪd]	Trapez
triangle *a flat shape with three straight sides and three angles*	['traɪ,æŋgᵊl]	Dreieck
trigonometric	[,trɪgənə'metrɪk]	trigonometrisch
trigonometry *the type of mathematics that deals with the relationship between the sides and angles of triangles*	[,trɪgə'nɒmɪtrɪ]	Trigonometrie
value	['vælju:]	Wert
vector *a quantity that has both size and direction*	['vektə]	Vektor
to work out		ausarbeiten, berechnen