美国数学竞赛AMC系列英语词汇表

A

(anti)clockwise (逆) 顺时针方向;
(least) common denominator （最小）公分母;
(least)common multiple (最小)公倍数;
(prime) factor (质)因子;
abnormal distribution;非正态分布;
abscissa 横坐标;
absolute value 绝对值，e.g.∣-32∣=32;
acute angle 锐角;
acute triangle;锐角三角形;
add，plus 加;
Addition 加法;
addend; 加数;
adjacent angle 邻角;
aggregate; 集合;
algebra; 代数;
Algebraical 代数的;
algebraic term 代数项;
alternate angle 内错角;
altitude 高;
amplitude; 振幅;
annual 每年的;
angle bisector 角平分线;
angle; 角;
approximate 近似;
arc 弧;
arc cosecant;反余割;
arc cotangent;反余切;
arc cosine;反余弦;
arc secant;反正割;
arc tangent;反正切;
arc sine;反正弦;
arc; 弧;
area; 面积;
arithmetic mean 算术平均值;
arithmetic progression(sequence) 等差数列;
arithmetic; 算术;
arm 直角三角形的股;

arrangement 排列;
augend, summand;被加数;
average; 平均数;
axiom; 公理;
axis; 轴;

B

bar graph;条形统计图;
barycentre(BrE), barycenter(AmE);重心;
base 乘幂的底数,底边;
base 底边，底数（e.g. 2 的 5 次方，2 就是底数）;
base; 底;
binary system;二进制;
bisect 平分;
broken line graph 折线统计图;

C

calculation; 计算;
calculus; 微积分;
cardinal 基数;
carry; 进位;
cent 美分;
center of a circle 圆心 ;
Centigrade 摄氏;
central angle 圆心角;
centre(BrE), center(AmE);圆心;
chord 弦;
circle; 圆;
circular cylinder 圆柱体;
circumcircle; 外切圆;
circumference; 圆周;
circumference, perimeter 周长;
circumscribe 外切;
clockwise 顺时针;
coefficient; 系数;
column 列;
combination 组合;
common logarithm 常用对数;
common divisor 公约数;
common factor 公因子;
common ratio 公比;

common year 平年(365 天);
complement; 补集;
complementary function 余函数;
complementary angle 余角;
complex fraction 繁分数;
complex plane 复平面;
complex number;复数;
composite number 合数 e.g.
compounded interest 复利;
concentric circles 同心圆;
cone 圆锥;
congruence 全等;
congruent; 全等的/同余的;
consecutive number 连续整数;
constant 常数;
coordinate system 坐标系;
coordinates; 坐标系;
corresponding 对应的;
corresponding angle 同位角;
cosecant; 余割;
cosine; 余弦;
cotangent; 余切;
counterclockwise 逆时针;
cross section 横截面;
cube 立方数，立方体;
cube root 立方根;
cube 立方体，立方数; 立方体;
cube root;三次方根，立方根;
cubic meter 立方米;
cubic equation;三次方程;
curve diagram;曲线统计图;
cylinder; 圆柱;

D

dash line 虚线
decagon 十边形;
decagon; 十边形;
decahedron; 十面体;
decimal fraction 纯小数;
decimal system;十进制;
decimal; 小数;
decimal point;小数点;
decrease to 减少到;
decrease by 减少了;

definite integral;定积分;
degree; 角度;
denominator 分母;
denote 表示;
depreciation 折旧;
depth 深度;
derivative; 导数;
determinant; 行列式;
diagonal 对角线;
diameter 直径;
die 骰子;
difference 差;
difference of squares 平方差;
differential; 微分;
digit 数字;
dime 一角硬币;十分硬币;
direct proportion 正比;
discount 打折;
Discrete functions 离散函数;
distinct 不同的;
distribution; 分布;
divide 除;
divided evenly 被整除;
dividedby(prep.), divide(v.), division(n.) 除;
dividend 被除数，红利;
divisible 可被整除的;
divisor 因子，除数;
divisor; 除数;
dodecagon; 十二边形;
dodecahedron; 十二面体;
domain, field of definition 定义域;
down payment 直接付款;
dozen 打（12 个）;

E

edge 棱;
element; 元素;
eliminate 删除;
ellipse; 椭圆;
endpoint 端点;
enneagon; 九边形;
enneahedron; 九面体;
equals, is equal to, is equivalent to 等于;
equation; 等式，方程式;

equilateral triangle 等边三角形;

equilateral 等边形;

equilateral polygon;正多边形;

equivalent equation 同解方程，等价方程;

Equivalent algebraic expressions 等价代数表达式 ;

escentre(BrE), escenter(AmE);旁心;

estimation 估计，近似;

even integer, even number 偶数 ;

evolution, extraction;开方;

excentre(BrE), excenter(AmE);外心;

exponent; 指数，幂;

Exponential functions 指数函数;

exponential decay 指数式衰减;

exponent 指数; ;

exterior angle 外角;

F

face of a solid 立体的面 ;

factor 因子;

factorial 阶乘;

factorization 因式分解;

Fahrenheit 华氏;

foot 英尺;

formula, formulae(pl.);公式;

fraction; 分数;

frustum of a prism 棱台;

frustum of a cone 圆台;

function notation 方程符号函数符号;

function; 函数;

G

gallon 加仑(1 gallon = 4 quart) ;

geometric mean 几何平均数;

geometric progression(sequence) 等比数列;

geometry; 几何;

graph; 图表;

grid 网格;

H

height; 高;

hemisphere; 半球;

hendecagon; 十一边形;

hendecahedron; 十一面体;

heptagon 七边形;

heptahedron; 七面体;

hexadecimal system;十六进制;

hexagon 六边形;

hexahedron; 六面体;

histogram; 柱形统计图;

horizontal and vertical translation of functions 函数的水平和垂直的平移 ;

hundreds digit 百分数;

hyperbola; 双曲线;

hypotenuse; 斜边;

hypothesis, hypotheses(pl.);假设;

I

icosahedron; 二十面体;

image; 图象;

imaginary number;虚数;

improper fraction 假分数;

incentre(BrE), incenter(AmE);内心;

inch 英寸;

included angle 夹角;

included side 夹边;

increase to 增加到;

increase by 增加了;

indefinite integral;不定积分;

inequality 不等式;

inequation; 不等式;

infinite decimal 无穷小数;

infinite(a.) infinity(n.);无穷大;

infinitesimal; 无穷小;

inscribe 内切;

inscribed triangle 内接三角形;

inscribed circle;内切圆;

insignificant digit;无效数字;

integer; 整数;

integer, whole number 整数 ;

integral; 积分;

intercalary year(leap year) 闰年(366 天) ;

intercept 截距;

interest 利息;

interior angle 内角;

intersect 相交;

intersection; 交集;

inverse function 反函数;

inverse 倒数;

irrational number;无理数;

irrational（number）无理数;;

is greater than 大于;

is equal or greater than 大于等于;

is lesser than 小于;

is equal or lesser than 小于等于;

isosceles triangle 等腰三角形;

isosceles triangle;等腰三角形;

isosceles trapezoid;等腰梯形;

L

leg 三角形的直角边;

leg; 直角边;

length; 长;

like terms, similar terms 同类项 ;

limit; 极限;

line segment 线段;

line; 线;

line, straight line 直线 ;

linear equation 线性方程(e.g. 5x+6=22) ;

linear 一次的，线性的;

list price 标价;

literal coefficient 字母系数;

locus, loca(pl.);轨迹;

logarithm; 对数;

M

mapping; 映射;

margin 利润;

markup 涨价;

mathematics, maths(BrE), math(AmE) 数学;

matrix; 矩阵;

mean 平均数;

median 中数;

median of a triangle 三角形的中线 ;

meter 米;

micron 微米;

midpoint 中点;

minuend; 被减数;

minus(prep.), subtract(v.), subtraction(n.)减;

minute 分(角度的度量单位，60 分=1 度);

mixed number 带分数;

mode 众数;

monomial; 单项式;

monotonicity; 单调性;

multilateral 多边的;

multiple 倍数;

multiplicand, faciend;被乘数;

multiplicator; 乘数;

multiply, times 乘;

N

natural number 自然数;

natural number;自然数;

negative number 负数;

negative whole number 负整数 ;

negative; 负;

nickel 5 美分硬币;

nonagon 九边形;

nonnegative 非负的;

normal distribution;正态分布;

null, zero, nought, nil 零;

number line 数轴;

number; 数;

numerator 分子;

numerical coefficient 数字系数;

n 次方 the power of n, the nth power;

n 次方根 the root of n, the nth root;

O

oblique 斜三角形;

obtuse angle;钝角;

obtuse triangle;钝角三角形;

octagon 八边形;

octahedron; 八面体;

odd integer, odd number 奇数 ;

operation; 运算;

operator; 运算符;

opposite 直角三角形中的对边;

ordinal 序数;

ordinary scale, decimal scale 十进制 ;

ordinate 纵坐标;

origin; 原点;

original equation 原方程;

orthocentre(BrE), orthocenter(AmE);垂心;

P

parabola; 抛物线;

parallel lines 平行线;

parallel; 平行;

parallelepiped; 平行六面体;

parallelogram 平行四边形;

parentheses 括号;

parity; 奇偶性;

penny 一美分硬币;

pentagon 五边形;

pentahedron; 五面体;

per capita 每人;

percent; 百分比;

percentage; 百分点;

percentile; 百分位数;

perigon; 周角;

perimeter; 周长;

period; 周期;

periodicity; 周期性;

permutation 排列;

perpendicular 垂直;

phase; 相位;

pi; 圆周率;

pie diagram;扇形统计图;

pint 品脱(干量或液量的单位);

PL plural（复数）的缩写;

plane 平面;

plane geometry 平面几何;

plane; 面;

plus(prep.), add(v.), addition(n.) 加;

point; 点;

polygon; 多边形;

polyhedron; 多面体;

polynomial, multinomial;多项式;

positive number 正数;

positive whole number 正整数 ;

positive; 正;

power 乘方;

prime number 质数 e.g. 2,3,5,7,11,13,15……

注意：所有的质数(2 除外)都是奇数，但奇数不一定是质数 reciprocal 倒数;

prism; 棱柱;

probability; 概率，或然率;

product 积;

profit 利润;

proper subset 真子集;

proper fraction 真分数;

properties of exponential functions 指数函数的特性 ;

proportion 比例;

proposition; 命题;

prove; 证明;

pyramid; 棱锥;

pythagorean theorem 勾股定理;

Q

quadrant 象限;

quadratic functions 二次函数;

quadratic equations 二次方程式二次等式;

quadratic equation;二次方程;

quadrilateral 四边形;

quart 夸脱;

quarter 四分之一;25 美分硬币;

quartic equation;四次方程;

quotient 商;

R

radial; 射线;

radian 弧度;

radical sign, root sign 根号 ;

radius 半径;

range 值域;

ratio 比率;

rational expression 有理式有理表达式;

rational number;有理数;

real number, rational number 实数,有理数 ;

real number;实数;

Reciprocaltrigonometric ratios 倒数三角函数比;

rectangle; 矩形;

rectangular solid 长方体;

rectangular coordinate 直角坐标系;

recurring decimal 循环小数;

reflections of functions 函数的倒映映射 ;

regular polygon 正多边形;

regular solid/regular polyhedron 正多面体 ;

remainder 余数;

remainder; 差;

retail price 零售价;

reverse 反转;

rhomb, rhombus, rhombi(pl.), diamond 菱形;

rhombus 菱形;

right angle 直角;

right triangle 直角三角形;

right trapezoid;直角梯形;

ring; 环;

root-mean-square deviation, standard deviation 标准差;

rotation; 旋转;

round to 四舍五入;

round off 四舍五入;

round angle 周角;

round up;上舍入;

round; 四舍五入;

round down;下舍入;

S

scalene triangle 不等边三角形;

score 廿(20 个);

secant; 正割;

sector; 扇形;

segment of a circle 弧形 ;

segment; 线段;

semicircle 半圆;

series; 数列，级数;

side 边长;边;

significant digit;有效数字;

similar; 相似;

simple fraction 简分数;

simple interest 单利;

simple equation;一次方程;

sine; 正弦;

slope 斜率;

solid 立体的; 体;

solution set 解集;

space; 空间;

sphere 球体;

square root 平方根;

square 正方形，平方;

square measure 平方单位制;

square; 二次方，平方;

square root;二次方根，平方根;

square; 正方形;

statistics; 统计;

straight angle 平角;

subset; 子集;

subtract 减;

subtrahend; 减数;

sum; 和;

supplementary angles 补角;

surface area 表面积;

T

table 表格;

tangent 切线的;

tangent; 正切;

tens 十位;

tenths unit 十分位;

tetrahedron; 四面体;

the power of four, the fourth power 四次方;

the root of four, the fourth root 四次方根;

theorem; 定理;

tie 打;

times(prep.), multiply(v.), multiplication(n.)乘;

to the nearest 四舍五入 ;

transversal 截线;

trapezoid 梯形;

trapezoid; 梯形;

triangle inequality 三角不等式;

triangle; 三角形;

trigonometric function 三角函数;

Trigonometric functions 三角函数;

trigonometry 三角学；三角;

truncation; 截尾;

U

undersurface; 底面;

union 并集;

unit 单位,位;

units 个位;

unknown, x-factor, y-factor, z-factor 未知数;

V

variable 变量;

variance; 方差;

vertex (复数形式 vertices)顶点;

vertical angle 对顶角;

void; 空集;

volume 体积;

vulgar fraction，common fraction 普通分数 ;

W

weight, significance;权;

weighted average 加权平均值;

width; 宽;

X

x-axis, y-axis, z-axis 坐标轴;

x-coordinate; 横坐标;

Y

yard 码;

y-coordinate; 纵坐标;