

Pearson Edexcel · International A-Level · Mathematics

Glossary · every term in the course, A–Z

English

activity-on-arc network

algebraic division

ambiguous case

/æmˈbɪɡju:əs keɪs/

arc length

/ɑ:k leŋθ/

area under the curve

arithmetic sequences

asymptote

/ˈæsɪmptəʊt/

bearing

/ˈbeərɪŋ/

bin packing

binomial distribution

/baɪˈnəʊmɪəl ˌdɪstrɪˈbjʊ:ʃn/

binomial expansion

/baɪˈnəʊmɪəl ɛkˈspænfən/

binomial series

box plot

/bɒks plɒt/

bubble sort

/ˈbʌbl sɔ:t/

calculator

Cartesian

/kɑ:ˈti:ziən/

Cartesian equation

/kɑ:ˈti:ziən ɪˈkweɪʒn/

census

/ˈsensəs/

centre of mass

/ˈsentə ɒv mæs/

English

chain rule

/tʃeɪn ru:l/

chord

/kɔ:d/

classical travelling salesman

problem

coefficient of friction

/ˌkəʊˈfɪʃənt ɒv ˈfrɪkʃn/

coefficient of restitution

/ˌkəʊˈfɪʃənt ɒv rɪstɪˈtju:ʃn/

combined transformations

completing the square

/kəmˈpli:tɪŋ ðə skweə/

composition

/ˌkɒmpəˈzɪʃn/

compound angle

/ˈkɒmpaʊnd ˈæŋɡl/

conditional probability

/kənˈdɪʃənl ˌprɒbəˈbɪləti/

connected rates of change

conservation of mechanical
energy

constant of integration

/ˈkɒnstənt ɒv ˌɪntɪˈɡreɪʃn/

continuity correction

/kɒntɪˈnju:ɪti kəˈrekʃn/

continuous uniform distribu-
tion

correlation coefficient

/ˌkɒrɪˈleɪʃn ˌkəʊˈfɪʃənt/

cosine rule

/ˈkəʊsaɪn ru:l/

critical path

/ˈkrɪtɪkl pæθ/

critical region

cubic

/ˈkju:bɪk/

English

cumulative distribution
function

/ˈkjuːmjələtɪv ˌdɪstrɪˈbjʊːʃn ˈfʌŋkʃn/

Decompose

decreasing

/ˈdiːkriːsɪŋ/

definite integral

/ˈdefɪnət ˈɪntɪgrəl/

derivative

/dɪˈrɪvətɪv/

Dijkstra's algorithm

discrete random variable

/dɪˈskrɪt ˈrændəm ˈveəriəbl/

discriminant

/dɪˈskrɪmɪnənt/

disproof by counterexample

domain

/dəˈmeɪn/

double angle

/ˈdʌbl ˈæŋɡl/

dummy

earliest event times

equilibrium

/ˌiːkwɪˈlɪbrɪəm/

expectation

/ekspɪkˈteɪʃn/

factor theorem

/ˈfæktə ˈθɪərəm/

fixed point

friction

/ˈfrɪkʃn/

function

/ˈfʌŋkʃn/

Gantt chart

geometric sequences

English

gradient of the tangent

/ˈɡreɪdɪənt ɒv ðə ˈtændʒənt/

harmonic form

histogram

/ˈhɪstəɡræm/

hypothesis test

/haɪˈpɒθəsis test/

implicit

/ɪmˈplɪsɪt/

implicit differentiation

/ɪmˈplɪsɪt ˌdɪfəˈrenʃiˈeɪʃn/

improper fraction

/ɪmˈprɒpə ˈfrækʃn/

impulse

/ˈɪmpʌls/

increasing

/ɪnˈkriːsɪŋ/

independence

/ˌɪndɪˈpendəns/

inequality

/miːˈkwɒlɪti/

inextensible string

initial value

/ɪˈnɪʃl ˈvæljuː/

integration

/ˌɪntɪˈɡreɪʃn/

integration by parts

/ˌɪntɪˈɡreɪʃn baɪ paːts/

interquartile range

/ˌɪntəˈkwɔːtaɪl reɪndʒ/

inverse function

/ɪnˈvɜːs ˈfʌŋkʃn/

irrational

/ɪˈræʃənl/

iteration

/ˌɪtəˈreɪʃn/

kinetic energy

/kɪˈnetɪk ˈenədʒi/

English

Kruskal's algorithm

lamina

/ˈlæmɪnə/

latest event times

laws of indices

/lɔːz ɒv ˈɪndɪsɪːz/

laws of logarithms

/lɔːz ɒv ˈlɒɡərɪθəmz/

limiting equilibrium

/ˈlɪmɪtɪŋ ˌiːkwɪˈlɪbrɪəm/

log plot

logarithm

/ˈlɒɡərɪθəm/

long-run floor

magnitude

/ˈmæɡnɪtjuːd/

maximum

/ˈmæksɪməm/

median

/ˈmiːdiən/

minimum

/ˈmɪnɪməm/

minimum spanning tree

/ˈmɪnɪməm ˈspænnɪŋ triː/

mode

/məʊd/

model

/ˈmɒdl/

modulus

/ˈmɒdjʊləs/

moment

/ˈməʊmənt/

moment of a force

/ˈməʊmənt əvə fɔːs/

nearest neighbour algorithm

Normal distribution

/ˈnɔːml ˌdɪstrɪˈbjʊːʃn/

English

normal reaction

/ˈnɔːml rɪˈækʃn/

null hypothesis

/nʌl haɪˈpɒθəsis/

outlier

/ˈaʊtlaɪə/

parallel

/ˈpærəlel/

parameter

/pəˈræmɪtə/

parametric equations

/ˌpærəˈmetrɪk ɪˈkweɪʒnz/

partial fractions

/ˈpɑːʃl ˈfrækʃnz/

particle

/ˈpɑːtɪkl/

particular solution

/pəˈtɪkjələ səˈluːʃn/

periodic

/ˌpɪərɪˈɒdɪk/

perpendicular

/ˌpɜːpənˈdɪkjələ/

Poisson distribution

/ˈpɔɪsn ˌdɪstrɪˈbjʊːʃn/

position vector

/pəˈzɪʃn ˈvektə/

positively skewed

potential energy

/pəˈtenʃl ˈenədʒi/

power

/ˈpaʊə/

Prim's algorithm

probability density function

/ˌprɒbəˈbɪlɪti ˈdensɪti ˈfʌŋkʃn/

probability function

product rule

/ˈprɒdʌkt ruːl/

English

projectile

/prə'dʒektail/

proof

/pru:f/

proof by contradiction

/pru:f baɪ ,kɒntrə'dɪkʃn/

proof by exhaustion

/pru:f baɪ eg'zɔ:stʃn/

pulley

/'pʊli/

quadratic function

/kwɒ'drætɪk 'fʌŋkʃn/

quick sort

quotient

/'kwɒʃənt/

quotient rule

/'kwɒʃənt ru:l/

radian

/'reɪdɪən/

range

/reɪndʒ/

rate of change

/reɪt ɒv tʃeɪndʒ/

rational

/'ræʃənl/

rational expression

/'ræʃənl ek'spreʃn/

rationalise the denominator

/'ræʃənəlaɪz ðə dɪ'nɒmɪneɪtə/

reciprocal function

reciprocal functions

/rɪ'sɪprəkl 'fʌŋkʃnz/

recognition forms

regression line

/rɪ'ɡreʃn laɪn/

remainder theorem

/rɪ'meɪndə 'θɪərəm/

English

repeated factor

/rɪ'pi:tɪd 'fæktə/

restricted domain

resultant

/rɪ'zʌltənt/

rigid body

/'rɪdʒɪd 'bɒdi/

rod

rough surface

route inspection (Chinese
postman) problem

ruler method

sample

/'sæmpl/

sample space

/'sæmpl speɪs/

sampling distribution

/'sæmplɪŋ ,dɪstrɪ'bjuːʃn/

sampling frame

/'sæmplɪŋ freɪm/

scalar product

/'skeɪlə 'prɒdʌkt/

second derivative

/'sekənd dɪ'rɪvətɪv/

sector area

/'sektə 'eəriə/

separable

/'sepərəbl/

sequence

/'siːkwəns/

sign change

/saɪn tʃeɪndʒ/

significance level

/sɪg'nɪfɪkəns 'levl/

simultaneous equations

/sɪmə'lteɪniəs ɪ'kweɪʒnz/

sine rule

/saɪn ruːl/

English

smooth surface

standard deviation

/ˈstændəd ˌdiːvɪˈeɪʃn/

stationary points

/ˈsteɪʃənəri pɔɪnts/

statistic

/stəˈtɪstɪk/

stem and leaf

substitution

/ˌsʌbstɪˈtjuːʃn/

surd

/sɜːd/

tangent

/ˈtændʒənt/

tension

/ˈtenʃn/

total float

/ˈtəʊtl fləʊt/

trajectory

/trəˈdʒektəri/

transformation

/trænsfɔːˈmeɪʃn/

trapezium rule

/trəˈpiːziəm ruːl/

trigonometric equations

trigonometric identities

/ˌtrɪɡənəʊˈmetrɪk aɪˈdentɪtiz/

unit vector

/ˈjuːnɪt ˈvektə/

validity

/væˈlɪdɪti/

variance

/ˈveəriəns/

vector

/ˈvektə/

vertex method

volume of revolution

/ˈvɒljʊm ɒv ˌrevəˈluːʃn/

English

wire framework

work done

/wɜ:k dʌn/

work-energy principle
