

Pearson Edexcel · International A-Level · Mathematics

Glossary · every term in the course, A–Z

English

activity-on-arc network

/æk'tɪvɪti ɒn ɑ:k 'netwɜ:k/

algebraic division

/,ældʒɪ'breɪk dɪ'vɪʒn/

ambiguous case

/æm'bɪɡju:əs keɪs/

arc length

/ɑ:k leŋθ/

area under the curve

/ˈeəriə 'ʌndə ðə kɜ:v/

arithmetic sequences

/ə'riθmətɪk 'si:kwənsɪz/

asymptote

/ˈæsɪmptəʊt/

bearing

/ˈbeərɪŋ/

bin packing

/bɪn 'pækɪŋ/

binomial distribution

/baɪ'nəʊmɪəl ,dɪstrɪ'bju:ʃn/

binomial expansion

/baɪ'nəʊmɪəl ek'spænsən/

binomial series

box plot

/bɒks plɒt/

bubble sort

/ˈbʌbl sɔ:t/

calculator

/ˈkælkjʊleɪtə/

Cartesian

/kɑ:'ti:ziən/

Cartesian equation

/kɑ:'ti:ziən i'kweɪʒn/

census

/ˈsensəs/

English

centre of mass

/ˈsentə ɒv mæs/

chain rule

/tʃeɪn ruːl/

chord

/kɔːd/

classical travelling salesman

problem

/ˈklæsɪkl ˈtrævəlɪŋ ˈseɪlzmən ˈprɒbləm/

coefficient of friction

/ˌkəʊˈfɪʃənt ɒv ˈfrɪkʃn/

coefficient of restitution

/ˌkəʊˈfɪʃənt ɒv rɪstɪˈtjuːʃn/

combined transformations

/kəmˈbaɪnd trænsfɔːˈmeɪʃnz/

completing the square

/kəmˈpliːtɪŋ ðə skweə/

composition

/ˌkɒmpəˈzɪʃn/

compound angle

/ˈkɒmpaʊnd ˈæŋɡl/

conditional probability

/kənˈdɪʃənl ˌprɒbəˈbɪləti/

connected rates of change

/kəˈnektɪd reɪts ɒv tʃeɪndʒ/

conservation of mechanical

energy

/ˌkɒnsəˈveɪʃn ɒv mɪˈkænɪkl ˈenədʒi/

constant of integration

/ˈkɒnstənt ɒv ˌɪntɪˈɡreɪʃn/

continuity correction

/kɒntɪˈnjuːɪti kəˈrekʃn/

continuous uniform

distribution

/kənˈtɪnjuːəs ˈjuːnɪfɔːm ˌdɪstrɪˈbjʊːʃn/

correlation coefficient

/ˌkɒrɪˈleɪʃn ˌkəʊˈfɪʃənt/

cosine rule

/ˈkəʊsaɪn ruːl/

critical path

/ˈkrɪtɪkl pæθ/

English

critical region

/ˈkrɪtɪkl ˈrɪːdʒn/

cubic

/ˈkjuːbɪk/

cumulative distribution

function

/ˈkjuːmjələtɪv ˌdɪstrɪˈbjʊːʃn ˈfʌŋkʃn/

Decompose

/ˌdiːkəmˈpəʊz/

decreasing

/ˈdiːkriːsɪŋ/

definite integral

/ˈdefɪnət ˈɪntɪgrəl/

derivative

/dɪˈrɪvətɪv/

Dijkstra's algorithm

/ˈdeɪkstrəz ˈælgərɪθəm/

discrete random variable

/dɪˈskriːt ˈrændəm ˈveəriəbl/

discriminant

/dɪˈskrɪmɪnənt/

disproof by counterexample

/dɪˈspruːf baɪ ˈkaʊntəregzæmpl/

domain

/dəˈmeɪn/

double angle

/ˈdʌbl ˈæŋɡl/

dummy

/ˈdʌmi/

earliest event times

/ˈɜːlɪst ɪˈvent taɪmz/

equilibrium

/ˌiːkwɪˈlɪbrɪəm/

expectation

/ekspɪkˈteɪʃn/

factor theorem

/ˈfæktə ˈθɪərəm/

fixed point

/fɪkst pɔɪnt/

friction

/ˈfrɪkʃn/

English

function

/ˈfʌŋkʃn/

Gantt chart

/gænt tʃɑ:t/

geometric sequences

/ˌdʒi:əʊ'metrik 'si:kwənsɪz/

gradient of the tangent

/ˈɡreɪdɪənt ʌv ðə 'tændʒənt/

harmonic form

/hɑ:'mɒnɪk fɔ:m/

histogram

/ˈhɪstəɡræm/

hypothesis test

/haɪ'pɒθəsis test/

implicit

/ɪm'plɪsɪt/

implicit differentiation

/ɪm'plɪsɪt ˌdɪfə'renʃi'eɪʃn/

improper fraction

/ɪm'prɒpə 'frækʃn/

impulse

/ɪm'pʌls/

increasing

/ɪn'kri:ɪŋ/

independence

/ˌɪndɪ'pendəns/

inequality

/ɪni:'kwɒlɪti/

inextensible string

/ˌɪnek'stensɪbl strɪŋ/

initial value

/ɪ'nɪʃl 'vælju:/

integration

/ˌɪntɪ'ɡreɪʃn/

integration by parts

/ˌɪntɪ'ɡreɪʃn baɪ pɑ:ts/

interquartile range

/ˌɪntə'kwɔ:taɪl reɪndʒ/

inverse function

/ɪn'vɜ:s 'fʌŋkʃn/

English

irrational

/ɪˈræʃənl/

iteration

/ˌɪtəˈreɪʃn/

kinetic energy

/kɪˈnetɪk ˈenədʒi/

Kruskal's algorithm

/'krʌsklɪz ˈælgərɪθəm/

lamina

/'læmɪnə/

latest event times

/'leɪtɪst ɪˈvent taɪmz/

laws of indices

/ləːz ɒv ˈɪndɪsɪːz/

laws of logarithms

/ləːz ɒv ˈlɒɡərɪθəmz/

limiting equilibrium

/'lɪmɪtɪŋ ɪːkwɪˈlɪbrɪəm/

log plot

/lɒɡ plɒt/

logarithm

/'lɒɡərɪθəm/

long-run floor

/lɒŋ rʌn floː/

magnitude

/'mæɡnɪtjuːd/

maximum

/'mæksɪməm/

median

/'miːdiːən/

minimum

/'mɪnɪməm/

minimum spanning tree

/'mɪnɪməm ˈspænɪŋ triː/

mode

/məʊd/

model

/'mɒdl/

modulus

/'mɒdjʊləs/

English

moment

/ˈməʊmənt/

moment of a force

/ˈməʊmənt əvə fɔːs/

nearest neighbour algorithm

/ˈniərist ˈneɪbə ˈælgərɪθəm/

Normal distribution

/ˈnɔːml ˌdɪstrɪˈbjʊːʃn/

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

/ˈpɒzɪtɪvli skjuːd/

potential energy

/pəˈtenʃl ˈenədʒi/

power

/ˈpaʊə/

English

Prim's algorithm

/ˈprɪmz 'ælgərɪθəm/

probability density function

/ˌprɒbə'bɪlɪti 'densɪti 'fʌŋkʃn/

probability function

/ˌprɒbə'bɪlɪti 'fʌŋkʃn/

product rule

/'prɒdʌkt ru:l/

projectile

/prə'dʒektail/

proof

/pru:f/

proof by contradiction

/pru:f baɪ ˌkɒntrə'dɪkʃn/

proof by exhaustion

/pru:f baɪ eg'zɔ:stʃn/

pulley

/'pʊli/

quadratic function

/kwɒ'drætɪk 'fʌŋkʃn/

quick sort

/kwɪk sɔ:t/

quotient

/'kwɒʃjənt/

quotient rule

/'kwɒʃjənt ru:l/

radian

/'reɪdiən/

range

/reɪndʒ/

rate of change

/reɪt ɒv tʃeɪndʒ/

rational

/'ræʃənl/

rational expression

/'ræʃənl ek'spreʃn/

rationalise the denominator

/'ræʃənəlaɪz ðə dɪ'nɒmɪnətə/

reciprocal function

/rɪ'sɪprəkl 'fʌŋkʃn/

English

reciprocal functions

/rɪ'sɪprəkl 'fʌŋkʃnz/

recognition forms

/,rekəg'nɪʃn fɔ:mz/

regression line

/rɪ'ɡreʃn laɪn/

remainder theorem

/rɪ'meɪndə 'θɪərəm/

repeated factor

/rɪ'pi:tɪd 'fæktə/

restricted domain

/rɪ'strɪktɪd də'meɪn/

resultant

/rɪ'zʌltənt/

rigid body

/rɪdʒɪd 'bɒdi/

rod

/rɒd/

rough surface

/rʌf 'sɜ:fɪs/

route inspection (Chinese
postman) problem

/ru:t ɪn'spekʃn 'prɒbləm/

ruler method

/ru:lə 'meθəd/

sample

/sæmpl/

sample space

/sæmpl speɪs/

sampling distribution

/sæmplɪŋ ,dɪstrɪ'bju:ʃn/

sampling frame

/sæmplɪŋ freɪm/

scalar product

/skeɪlə 'prɒdʌkt/

second derivative

/sɛkənd dɪ'rɪvətɪv/

sector area

/sektə 'eəriə/

separable

/sepərəbl/

English

sequence

/ˈsiːkwəns/

sign change

/saɪn tʃeɪndʒ/

significance level

/sɪɡˈnɪfɪkəns ˈlevl/

simultaneous equations

/ˌsɪməˈteɪniəs ɪˈkweɪzənz/

sine rule

/saɪn ruːl/

smooth surface

/smuːð ˈsɜːfɪs/

standard deviation

/ˈstændəd ˌdiːvɪˈeɪʃn/

stationary points

/ˈsteɪʃənəri pɔɪnts/

statistic

/stəˈtɪstɪk/

stem and leaf

/stem ænd liːf/

substitution

/ˌsʌbstɪˈtjuːʃn/

surd

/sɜːd/

tangent

/ˈtændʒənt/

tension

/ˈtenʃn/

total float

/ˈtəʊtl fləʊt/

trajectory

/trəˈdʒektəri/

transformation

/trænsfɔːˈmeɪʃn/

trapezium rule

/trəˈpiːziəm ruːl/

trigonometric equations

/ˌtrɪɡənəʊˈmetrɪk ɪˈkweɪzənz/

trigonometric identities

/ˌtrɪɡənəʊˈmetrɪk aɪˈdentɪtiz/

English

unit vector

/ˈjuːnɪt ˈvektə/

validity

/væˈlɪdɪti/

variance

/ˈveəriəns/

vector

/ˈvektə/

vertex method

/ˈvɜːteks ˈmeθəd/

volume of revolution

/ˈvɒljʊm ɒv ˌrevəˈluːʃn/

wire framework

/ˈwaɪə ˈfreɪmwɜːk/

work done

/wɜːk dʌn/

work-energy principle

/wɜːk ˈenədʒi ˈprɪnsɪpl/
