

Pearson Edexcel · International GCSE · Mathematics A

Glossary · every term in the course, A–Z

English

algebraic fraction

/ˌældʒɪˈbreɪk ˈfrækʃn/

alternate angles

/ɔːlˈtɜːnət ˈæŋɡlz/

angle of depression

/ˈæŋɡl ɒv dɪˈpreʃn/

angle of elevation

/ˈæŋɡl ɒv ˌelɪˈveɪʃn/

anticlockwise

/ˌæntɪˈklɒkwaɪz/

arithmetic sequence

/əˈrɪθmətɪk ˈsiːkwəns/

base

/beɪs/

bearing

/ˈbeərɪŋ/

bisect

centre of enlargement

/ˈsentə ɒv enˈlɑːdʒmənt/

changing the subject

chord

/kɔːd/

clockwise

/ˈklɒkwaɪz/

coefficient

/ˌkəʊɪˈfɪʃənt/

column vector

/ˈkɒlʌm ˈvektə/

common denominator

/ˈkɒmən dɪˈnɒmɪneɪtə/

common difference

/ˈkɒmən ˈdɪfrəns/

common factor

/ˈkɒmən ˈfæktə/

English

common ratio

/ˈkɒmən ˈreɪʃiəʊ/

complement (of a set)

complement (of an event)

completing the square

/kəmˈpliːtɪŋ ðə skweə/

composite function

/ˈkɒmpəzɪt ˈfʌŋkʃn/

compound interest

/ˈkɒmpaʊnd ˈɪntrest/

compound measures

/ˈkɒmpaʊnd ˈmeʒəz/

conditional probability

/kənˈdɪʃənl ˌprɒbəˈbɪlɪti/

cone

/kəʊn/

congruent

/ˈkɒŋɡruːənt/

conjugate

/ˈkɒndʒuːɡeɪt/

constant term

corresponding angles

/ˌkɒrɪˈspɒndɪŋ ˈæŋɡlz/

cosine rule

/ˈkəʊsaɪn ruːl/

critical value

/ˈkrɪtɪkl ˈvæljuː/

cube number

/kjuːb ˈnʌmbə/

cumulative frequency

/ˈkjuːmjʊlətɪv ˈfriːkwənsi/

cyclic quadrilateral

/ˈsaɪklɪk ˌkwɒdrɪˈlætərəl/

density

/ˈdensɪti/

derivative

/dɪˈrɪvətɪv/

diagonal

English

difference of two squares

/ˈdɪfrəns ɒv tuː skweəz/

differentiation

/ˌdɪfəˈrenʃi'eɪʃn/

direct proportion

/daɪ'rekt prə'pɔːʃn/

discriminant

/dɪ'skrɪmɪnənt/

domain

/də'meɪn/

elimination

/ɪˌlɪmɪ'neɪʃn/

empty set

/'empti set/

enlargement

/en'laːdʒmənt/

equation

/ɪ'kweɪʒn/

equivalent fractions

/ɪ'kwɪvələnt 'frækʃnz/

expand

/ek'spænd/

expression

/ek'spreʃn/

factor

/'fæktə/

frequency density

/'friːkwənsi 'densɪti/

function

/'fʌŋkʃn/

gradient

/'greɪdɪənt/

half-plane

highest common factor

/'haɪst 'kɒmən 'fæktə/

histogram

/'hɪstəgræm/

hyperbola

/haɪ'pɜːbələ/

English

hypotenuse

/haɪ'pɒtənjuːs/

identity

/aɪ'dentɪti/

image

/'ɪmɪdʒ/

independent events

/,ɪndɪ'pendənt ɪ'vents/

index

/'ɪndeks/

index laws

index notation

interquartile range

/,ɪntə'kwɔːtaɪl reɪndʒ/

intersection

/,ɪntə'sekʃn/

intersection point

/,ɪntə'sekʃn pɔɪnt/

inverse function

/ɪn'vɜːs 'fʌŋkʃn/

inverse proportion

/ɪn'vɜːs prə'pɔːʃn/

like terms

/laɪk tɜːmz/

line of symmetry

/laɪn ɒv 'sɪmətri/

linear inequality

locus

/'ləʊkəs/

lower bound

/'ləʊə baʊnd/

lowest common multiple

/'ləʊɪst 'kɒmən 'mʌltɪpl/

magnitude

/'mæɡnɪtjuːd/

maximum

/'mæksɪmə/

mean

/miːn/

English

measure of spread

/ˈmeʒə ɒv spred/

median

/ˈmiːdiːən/

membership

/ˈmembəʃɪp/

midpoint

/ˈmɪdpɔɪnt/

minimum

/ˈmɪnɪməm/

mirror line

/ˈmɪrə laɪn/

mixed number

/mɪkst ˈnʌmbə/

modal class

/ˈməʊdl klæs/

mode

/məʊd/

modulus

/ˈmɒdjʊləs/

modulus (vector)

multiple

/ˈmʌltɪpl/

multiplier

/ˌmʌltɪˈplaɪə/

number line

/ˈnʌmbə laɪn/

number of elements

/ˈnʌmbə ɒv ˈelɪmənts/

origin

/ˈɒrɪdʒɪn/

parabola

/pəˈræbələ/

parallel

/ˈpærəlel/

parallel lines

/ˈpærəlel laɪnz/

parallelogram

/ˌpærəˈleləgræm/

English

perpendicular lines

/ˌpɜːpənˈdɪkjələ laɪnz/

position-to-term rule

/pəˈzɪʃn tə tɜːm ruːl/

pressure

/ˈpreʃə/

prime factor

/praɪm ˈfæktə/

prime number

/praɪm ˈnʌmbə/

proof

/pruːf/

proportion

/prəˈpɔːʃn/

Pythagoras' theorem

/paɪˈθæɡərəs ˈθiərəm/

quadratic expression

/kwɒˈdrætɪk ekˈspresjən/

quadratic formula

/kwɒˈdrætɪk ˈfɔːmjələ/

quadratic inequality

/kwɒˈdrætɪk ɪniːˈkwɒlɪti/

quadrilateral

/ˌkwɒdrɪˈlætərəl/

quartile

/ˈkwɔːtaɪl/

range (of a function)

range (statistics)

rate of change

/reɪt ɒv tʃeɪndʒ/

ratio

/ˈreɪʃiəʊ/

rationalising the
denominator

/ˈræʃənəlaɪzɪŋ ðə dɪˈnɒmɪneɪtə/

reciprocal

/rɪˈsɪprəkl/

recurring decimal

/rɪˈkɜːrɪŋ ˈdesɪml/

English

reflection

/rɪ'fleksɪn/

regular polygon

/'regjʊlə 'pɒlɪɡən/

resultant

/rɪ'zʌltənt/

root

/ru:t/

rotation

/rəʊ'teɪʃn/

rotational symmetry

/rəʊ'teɪʃnəl 'sɪmətri/

sample space

/'sæmpl speɪs/

scalar

/'skeɪlə/

scalar multiple

scale factor

/skeɪl 'fæktə/

sector

/'sektə/

set

/set/

similar

/'sɪmɪlə/

simultaneous linear

equations

/sɪmə'lteɪniəs 'lɪniə r'kweɪznz/

sine rule

/saɪn ru:l/

space diagonal

/speɪs daɪ'ægənəl/

speed

/spi:d/

sphere

/sfɪə/

square number

/skweə 'nʌmbə/

standard form

/'stændəd fɔ:m/

English

stationary point

/ˈsteɪʃənəri pɔɪnt/

subset

/ˈsʌbset/

substitution

/ˌsʌbstɪˈtjuːʃn/

sum of an arithmetic series

/sʌm əvən əˈrɪθmətɪk ˈsɪəriːz/

surd

/sɜːd/

tangent

/ˈtændʒənt/

term-to-term rule

/tɜːm tə tɜːm ruːl/

transformation

/trænsfɔːˈmeɪʃn/

translate

translation

/trænˈsleɪʃn/

tree diagram

/triː ˈdaɪəgræm/

unequal class widths

/ʌˈniːkwəl klæs wɪθs/

union

/ˈjuːniən/

universal set

/juːnɪˈvɜːsl set/

upper bound

/ˈʌpə baʊnd/

variable

/ˈveəriəbl/

vector

/ˈvektə/

Venn diagram

/ven ˈdaɪəgræm/

vertex

/ˈvɜːteks/

volume

/ˈvɒljuːm/
