International Baccalaureate · IB Diploma · Mathematics: Analysis and Approaches · SL

Glossary · every term in the course, A–Z

English

amplitude
/ˈæmplɪtjuːd/

angle of depression
/ˈæŋgl ɒv dɪˈpreʃn/

angle of elevation
/ˈæŋgl ɒv ˌelɪˈveɪʃn/

antiderivative
/ˌæntɪdɪˈrɪvətɪv/

arithmetic sequence
/əˈrɪθmətɪk ˈsiːkwəns/

assumption
/əˈsʌmpʃn/

asymptote
/ˈæsɪmptəʊt/

bearing
/ˈbeərɪŋ/

binomial coefficient
/baɪˈnəʊmɪəl ˌkəʊɪˈfɪʃənt/

binomial theorem
/baɪˈnəʊmɪəl ˈθɪərəm/

box plot
/bɒks plɒt/

chain rule
/tʃeɪn ruːl/

change of base

common difference
/ˈkɒmən ˈdɪfrəns/

common ratio
/ˈkɒmən ˈreɪʃɪəʊ/

composite function
/ˈkɒmpəzɪt ˈfʌŋkʃn/

compound interest
/ˈkɒmpaʊnd ˈɪntrest/

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English

conditional probability
/kənˈdɪʃənl ˌprɒbəˈbɪlɪti/
cone
/kəʊn/
continuous data

converge
/kənˈvɜːdʒ/
correlation coefficient
/ˌkɒrɪˈleɪʃn ˌkəʊɪˈfɪʃənt/
cosine rule
/ˈkəʊsaɪn ruːl/
cumulative frequency
/ˈkjuːmjʊlətɪv ˈfriːkwənsi/
definite integral
/ˈdefɪnət ˈɪntɪgrəl/
depreciation
/dɪˌpriːʃɪˈeɪʃn/
derivative
/dɪˈrɪvətɪv/
discrete data

discrete random variable
/dɪˈskriːt ˈrændəm ˈveərɪəbl/
discriminant
/dɪˈskrɪmɪnənt/
displacement
/dɪˈspleɪsmənt/
domain
/dəˈmeɪn/
double angle identity

expected value
/ekˈspektɪd ˈvæljuː/
exponent
/ekˈspəʊnənt/
exponential function
/ˌekspəˈnenʃl ˈfʌŋkʃn/
extrapolation
/ekˈstræpəleɪʃn/
frequency density
/ˈfriːkwənsi ˈdensɪti/

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English

function
/ˈfʌŋkʃn/
geometric sequence
/ˌdʒiːəʊˈmetrɪk ˈsiːkwəns/
gradient
/ˈgreɪdɪənt/
half-life
/hɑːf laɪf/
hemisphere
/ˈhemɪsfɪə/
hypotenuse
/haɪˈpɒtənjuːs/
identity
/aɪˈdentɪti/
indefinite integral
/ɪnˈdefɪnət ˈɪntɪgrəl/
independent
/ˌɪndɪˈpendənt/
index
/ˈɪndeks/
integration
/ˌɪntɪˈgreɪʃn/
internal assessment

interpolation
/ɪnˌtɜːpəˈleɪʃn/
interquartile range
/ˌɪntəˈkwɔːtaɪl reɪndʒ/
inverse function
/ɪnˈvɜːs ˈfʌŋkʃn/
logarithm
/ˈlɒgərɪθəm/
mathematical
communication

mathematical exploration

mean
/miːn/
median
/ˈmiːdiːən/

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English

midpoint
/ˈmɪdpɔɪnt/
mode
/məʊd/
moderation

multiplier
/ˌmʌltɪˈplaɪə/
mutually exclusive
/ˈmjuːtʃuːəli eksˈkluːsɪv/
natural logarithm
/ˈnætʃərəl ˈlɒgərɪθəm/
normal
/ˈnɔːml/
normal distribution
/ˈnɔːml ˌdɪstrɪˈbjuːʃn/
outlier
/ˈaʊtlaɪə/
Pascal's triangle

period
/ˈpɪərɪəd/
personal engagement

point of inflection
/pɔɪnt ɒv ɪnˈflekʃn/
population
/ˌpɒpjʊˈleɪʃn/
presentation
/ˌprezənˈteɪʃn/
prime factor
/praɪm ˈfæktə/
principal axis
/ˈprɪnsɪpl ˈæksɪs/
principal value
/ˈprɪnsɪpl ˈvæljuː/
probability
/ˌprɒbəˈbɪlɪti/
product rule
/ˈprɒdʌkt ruːl/

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English

proof
/pru:f/
proposal
/prə'pəʊzl/
pyramid
/'pɪrəmɪd/
quadratic function
/kwɒ'drætɪk 'fʌŋkʃn/
quartile
/'kwɔ:taɪl/
quotient rule
/'kwəʊʃənt ru:l/
radian
/'reɪdɪən/
range
/reɪndʒ/
reflection
/rɪ'flekʃn/
regression line
/rɪ'greʃn laɪn/
research question
/rɪ'sɜ:tʃ 'kwestʃn/
residual
/rɪ'sɪdʒu:əl/
sample
/'sæmpl/
sample space
/'sæmpl speɪs/
scale factor
/skeɪl 'fæktə/
scatter diagram
/'skætə 'daɪəgræm/
secant
/'si:kənt/
second derivative
/'sekənd dɪ'rɪvətɪv/
sector
/'sektə/
segment
/'segmənt/

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English

sequence
/ˈsiːkwəns/
series
/ˈsɪəriːz/
sigma notation
/ˈsɪgmə nəʊˈteɪʃn/
sine rule
/saɪn ruːl/
slant height
/slænt haɪt/
space diagonal
/speɪs daɪˈægənl/
sphere
/sfɪə/
standard deviation
/ˈstændəd ˌdiːvɪˈeɪʃn/
standard form
/ˈstændəd fɔːm/
standardised value

stationary point
/ˈsteɪʃənəri pɔɪnt/
tangent
/ˈtændʒənt/
tree diagram
/triː ˈdaɪəgræm/
unit circle
/ˈjuːnɪt ˈsɜːkl/
use of mathematics

variance
/ˈveərɪəns/
velocity
/vəˈlɒsɪti/
vertex
/ˈvɜːteks/

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