

Exercise

1) find other usages for highlighted words and phrases in technical texts.

represent: to bring clearly before the mind, to serve as a sign or symbol of.

ordered pair or ordered pair is a combination of the x coordinate and the y coordinate.

coordinate: to make many different things work effectively as a whole.

origin: the beginning or cause of something, where a person or an object was made.

latitude: the position north or south of the equator measured from 0° to 90°, freedom to believe, act, or think in the way you want to

longitude: the position to the east or west of an imaginary circle around the earth that goes through the North Pole, the South Pole, and Greenwich, England. it can be used as literary device to pique interest in the publication.

concluded: to cause something to end, or to end, if you conclude a business deal or official agreement, you agree on it.

factors: a fact or situation that influences a result, a factor of a product is a number that the product can be divided by exactly.

determinate: something that controls or affects what happens in a particular situation

estimate: to guess the size, cost, etc. of something feature: a noticeable or important characteristic or part.

a feature is also the main movie shown in a movie program

numerical: involving or expressed in numbers.

come up: to be mentioned or talked about in conversation, to happen usually unexpectedly.

assign: if you assign things to people, you give them out in organized way. to give a particular job or piece of work to someone

dataset: a collection of separate sets of information that is treated as a single unit by a computer.

hypothesis: an idea or explanation for something that is based on known facts but has not yet been proved.

randomly initialized weights: an important design choice when developing deep learning neural network models.

2. find out how to pronounce math expressions.

Basics

$a + b$ a plus b

$a - b$ a minus b

$a \cdot b$ a times b

$a = b$ a equals b

$a \neq b$ a different from b

$a < b$ a less than b

$a > b$ a bigger than b

Power and roots

a^b a to the b

n^2 n squared

n^3 n cubed

n^{-1} n inverse

$\sqrt[n]{t}$ n-th root of t

\sqrt{t} square root of t

$\sqrt[3]{t}$ cubic root of t

Sets

\emptyset empty set

$A \cup B$ A union B

$A \cap B$ A intersected B

$n \in A$ n in A, n belongs to A

Miscellaneous

5% five percent

30° thirty degrees

$n!$ n factorial

$|n|$ absolute value of n

Subject:

Date: / /

Calculus

f' f prime, f dashed

$\frac{d}{dx}$ d by dx

$\int_a^b f(x)dx$ integral from a to b (of) $f(x)dx$

$\lim_{n \rightarrow a} f(n)$ (the) limit of $f(n)$ as n tends/goes to a

$\log_a(n)$ logarithm in base a of n