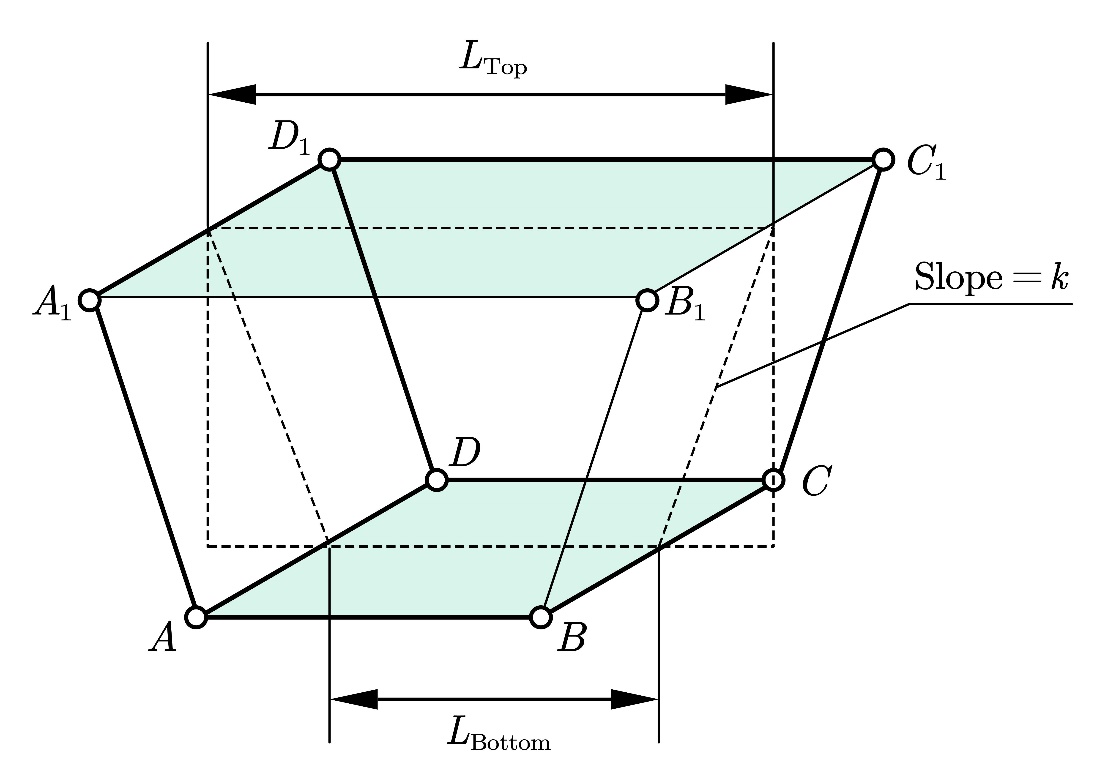
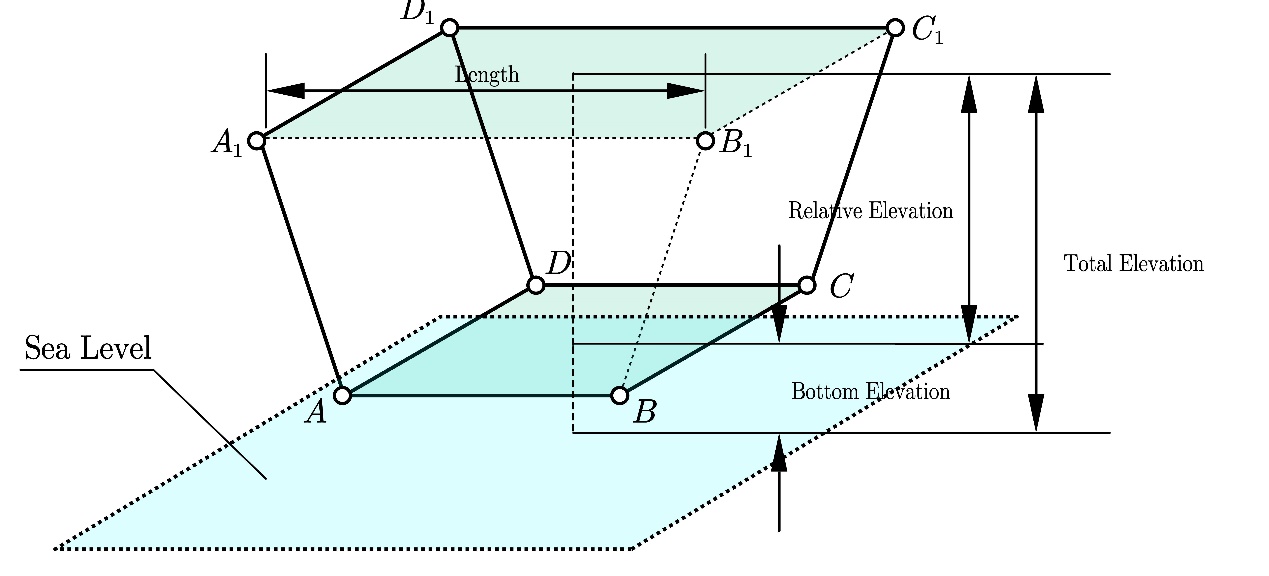
The area of Lake Mead is 640, 000, 000㎡ and its depth is 162m.

So the length of the top equals the square root of the area. ()

Assume that the shape of the lake can be simplified into a model like the pictures below:



We drew a plot between h and the square root of area (l), and found a linear function. The slope of this function is 1.473.

Assume that the slope of the edges is k, and we can find that .

So

So equals 25188.2m.

So , h refers to the distance between a certain depth and the bottom of the lake.