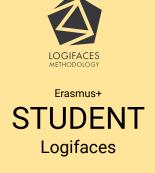| Name:

Date:

Tools: one Logifaces Set / class | 518 - Proof of the Volume Formula

MATHS / 3D GEOMETRY | |

DESCRIPTION

Students prove the following formula for the volume of the truncated prism with triangular base:

$\frac{1}{3}A(h_1 + h_2 + h_3)$, where h_1, h_2 and h_3 are the heights of the prism and A is the area of the base triangle.

Observe that the proof works for an arbitrary base triangle, it is not necessary to have a regular base triangle.

SOLUTION(S)