

Task:

Given: trapezoid, TRAP, TR//PA

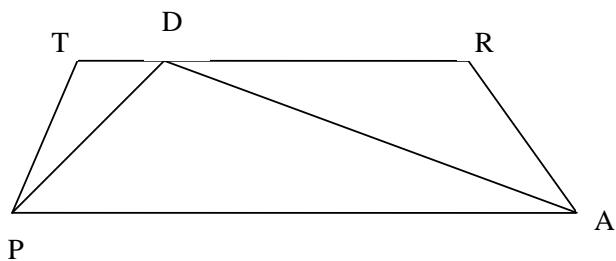
Prove: triangle TRD ~ triangle APD

Solution:

If point D is an arbitrary point, then triangles TRD and APD are not similar triangles.

For example:

TRD is not a triangle at all.



Answer:

TRD and APD are not similar triangles.