

**Task:**

Given: trapezoid, TRAP, TR//PA

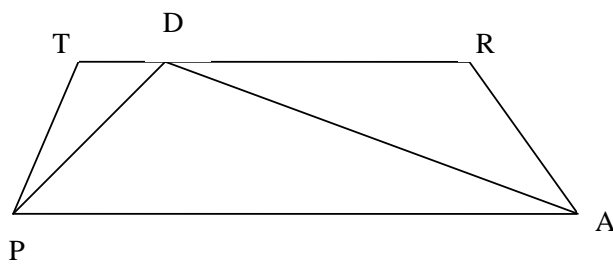
Prove: triangle TRD ~ triangle APD

**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.