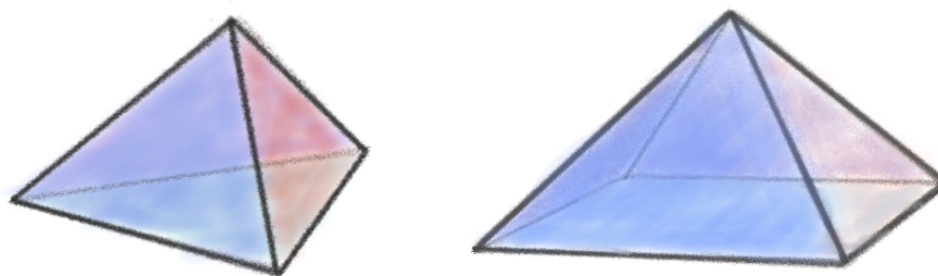


Math Challenge Problem

for early September, 2013

Pair of Pyramids



You have a pair of pyramids, one with a triangle base (so a tetrahedron) and the other with a square base. All edges of the pyramids are of equal length. Suppose you glue these two pyramids together by aligning two triangular faces.

The Challenge: How many faces does the new shape have? Prove your answer.

Submit solutions to Ross 2239G or to oscar.levin@unco.edu by **Friday, September 13.**

New this semester: PRIZES!

A winner will be randomly selected from all correct answers received for each challenge problem to receive a fun math prize of his or her choice.