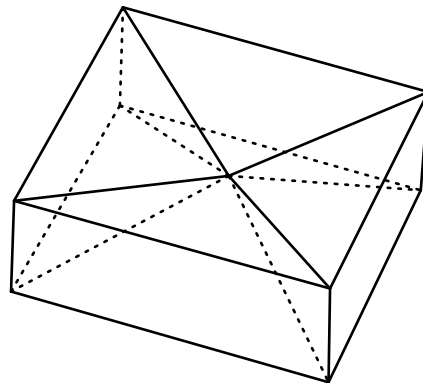
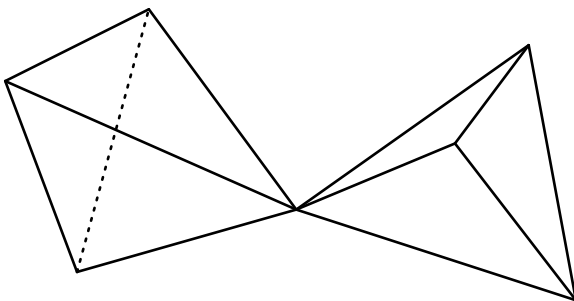
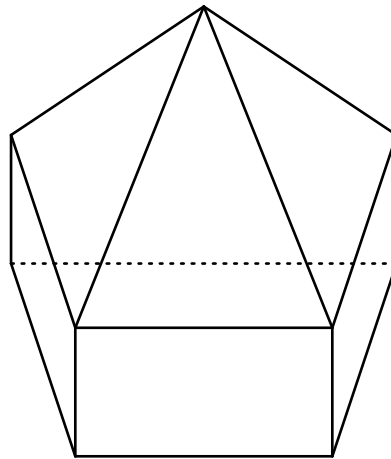
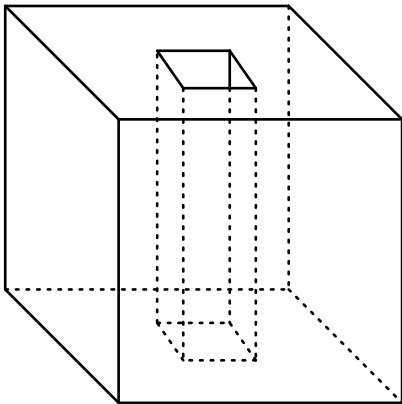
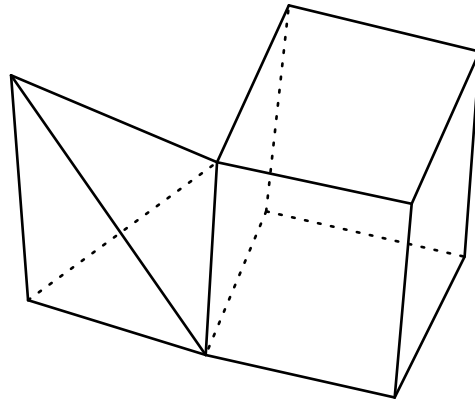
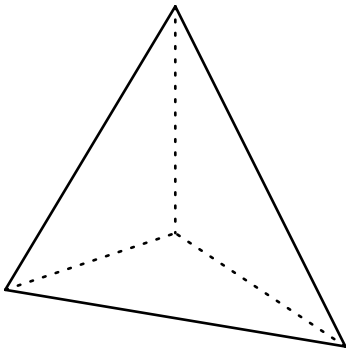


# Polyhedra Basics

## WDRP - Polyhedra

1. Decide whether the following images depict a polyhedra. If you say it's not a polyhedra explain why you don't think so.



2. Fill out the following table. Do you notice any patterns? Is this pattern always true?

Polyhedra	Vertices	Faces	Edges	Vertices + Faces
Tetrahedron				
Cube				
Icosahedron				
Snub Cube				
Cuboctahedron				

### Optional/Challenge problems

3. Give an example of a polyhedra with 5 faces. Is there a polyhedra for any number of faces?

4. Does there exist a polygon with only regular 7-gons as faces