Pictures of 3 – dimensional simplices
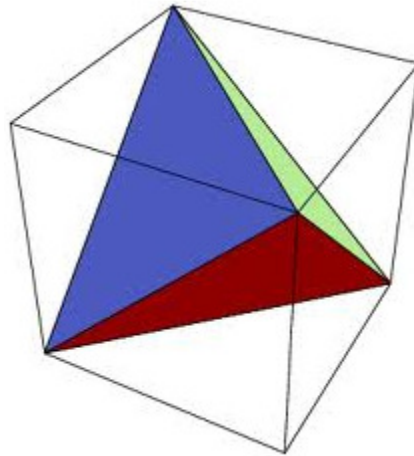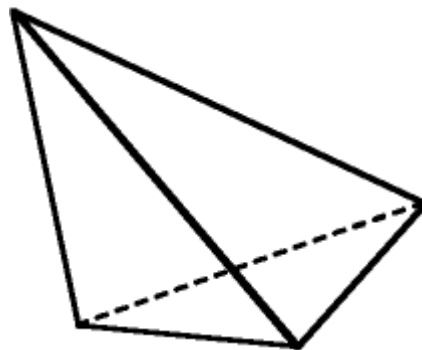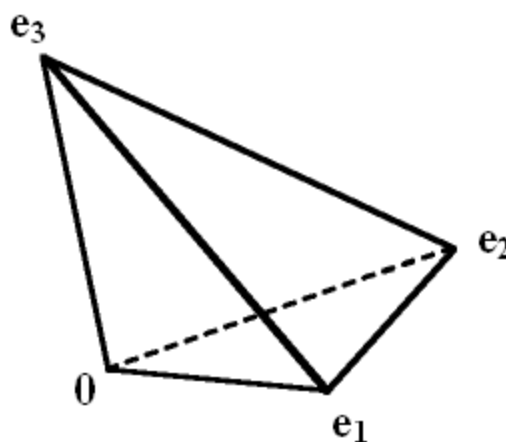
In the language of elementary geometry, a 3 – simplex is a pyramid with a triangular base, which is also known as a **tetrahedron**.   One standard example of a 3 – simplex in coordinate 3 – space is the 3 – simplex whose vertices are the zero vector and the three standard unit vectors.