

## 1 Affine spaces

### 1.1 Lines

### 1.2 Parallel lines

## 2 Euclidian space

### 2.1 Euclidian metric

### 2.2 Length

### 2.3 Angles

### 2.4 Area

### 2.5 Volume

## 3 Elementary geometry in 2 dimensions

### 3.1 Circle

### 3.2 Triangle

### 3.3 Quadrilaterals

### 3.4 Pentagon

## 4 Affine spaces

### 4.1 Sphere

#### 4.1.1 Pyramid

#### 4.1.2 Cone