

write only to green cells

## Angles in a triangle

### Point 1

x1 607  
y1 421

### Point 2

x2 389  
y2 422

size 218.002294

cos 2 = 0.291  
2 = 73.08

### Point 3

x1 430  
y1 285

### Point 2

x2 389  
y2 422

size 143.003496

cos 1 = 0.790  
1 = 37.80

### Point 1

x1  
y1

### Point 3

x2  
y2

size

cos 3 =  
3 =

### control

180.00

Cosine theorem: In any triangle ABC is:

$$a^2 = b^2 + c^2 - 2bc \cos a$$

$$b^2 = a^2 + c^2 - 2ac \cos b$$

$$c^2 = a^2 + b^2 - 2ab \cos g$$

the square of the triangle is equal to the sum of the squares of the other parties

reduced by twice the product of these parties and the cosine of the angle cordoned them.

## Distance of 2 points (2D space)

	x	y
Point1	406	1115
Point2	1404	1011

d= 1003.4 pixel 274.25 cm  
1 pixel 0.273317 cm

calibration		
	x	y
Point1	402	1098
Point2	766	1061

d= 365.9 pixlu 100 cm

607  
421

430  
285

223.2151429

**0.356**  
**69.12**

## Time, speed

number of frames  
frames per seconds

**1**  
**25**

$v=s/t$

0.04

$v=s/t$

0.04 s

speed

**68.56**