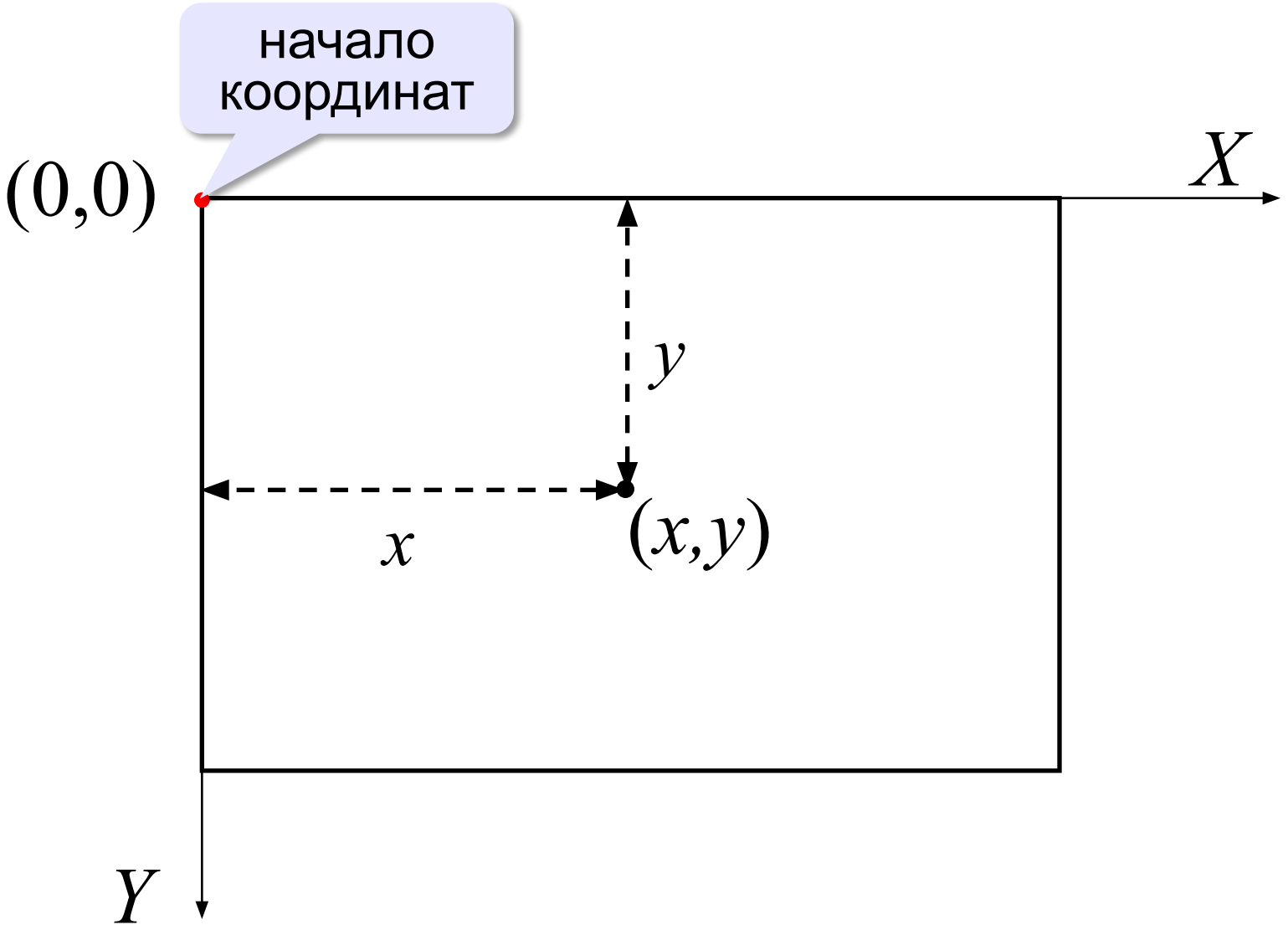
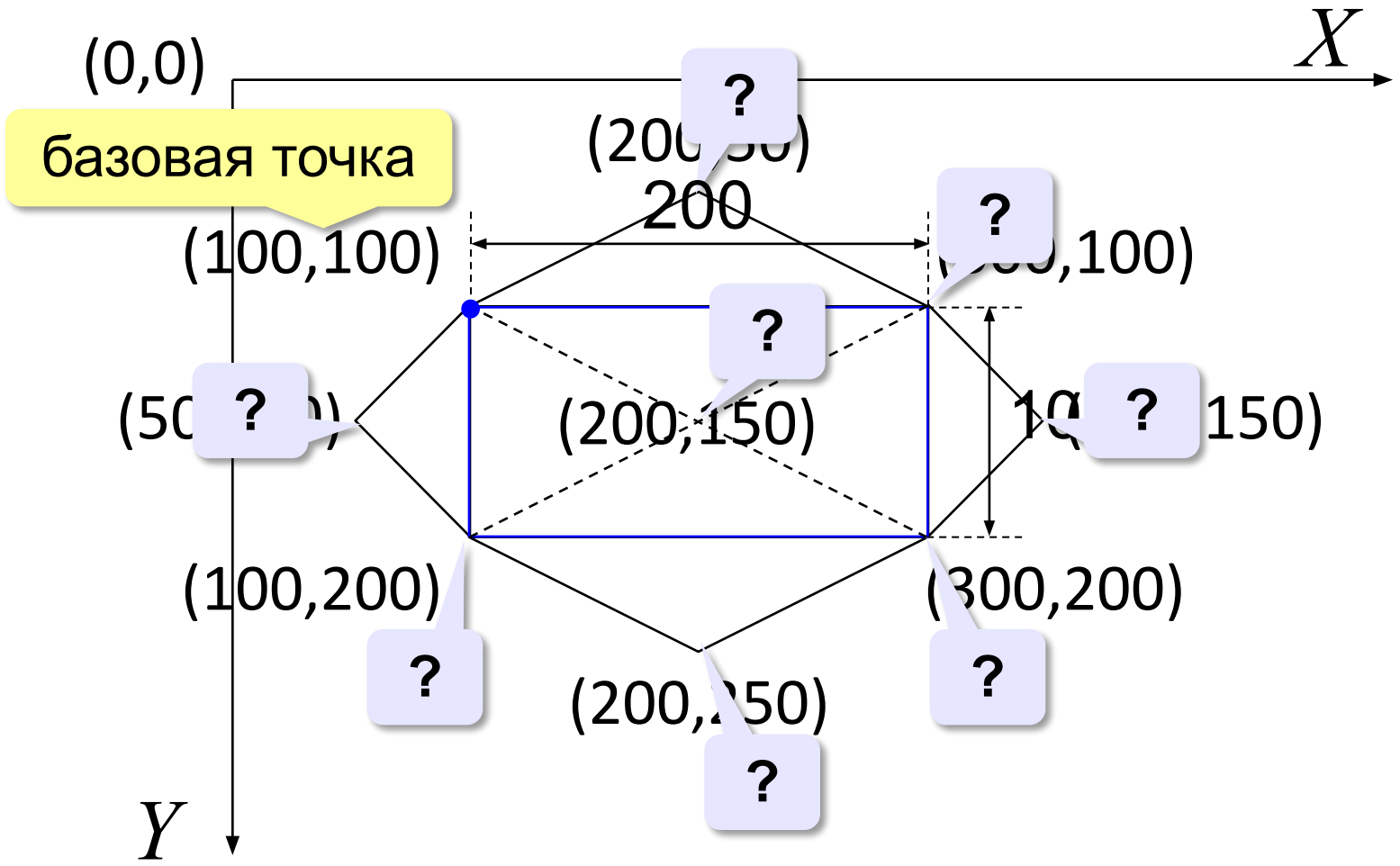
Программирование на Python: графика

Простые программы

Система координат



Определение координат



Управление цветом

Подключение графического модуля:

```
from graph import *
```

подключить все функции модуля graph

Цвет линий:

```
penColor( "red" )
```

white, black, gray, navy, blue,
cyan, green, yellow, red, orange,
brown, maroon, violet, purple, ...

http://bit.ly/2mNrkoq

Толщина линий:

```
penSize( 2 )
```

Цвет заливки:

```
brushColor( "green" )
```

Управление цветом (RGB)

Цвет в формате RGB:

```
penColor( 255, 255, 0 )
```

"yellow"

R(red) 0..255

G(green) 0..255

B(blue) 0..255

```
brushColor( 255, 0, 255 )
```

"magenta"

```
penColor( 0, 255, 255 )
```

"cyan"

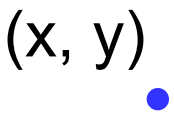
```
brushColor( 255, 255, 255 )
```

"white"

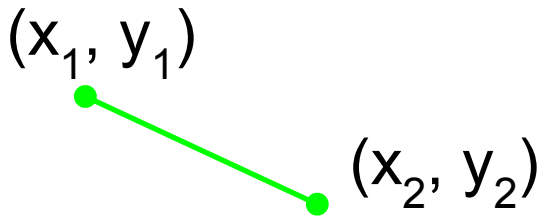
```
penColor( 0, 0, 0 )
```

"black"

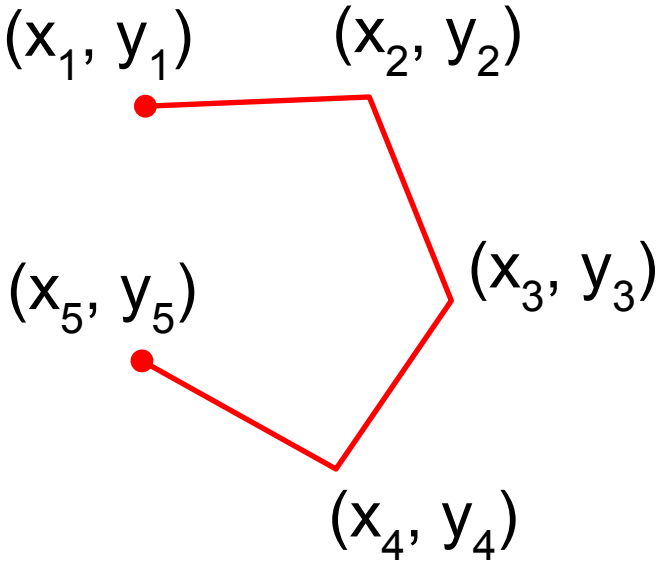
Примитивы (простейшие фигуры)




```
penColor(0, 0, 255)
point(x, y)
```

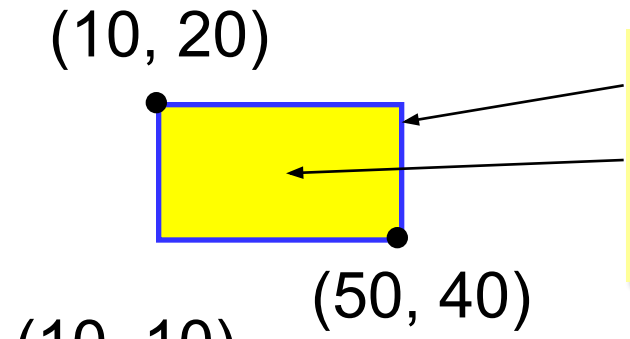



```
penColor(0, 255, 0)
line(x1, y1, x2, y2)
```

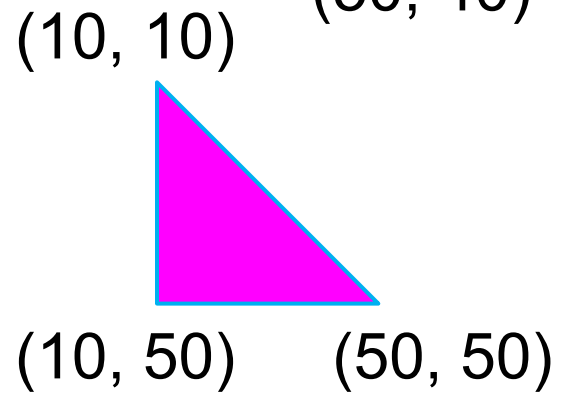



```
penColor(255, 0, 0)
moveTo(x1, y1)
lineTo(x2, y2)
lineTo(x3, y3)
lineTo(x4, y4)
lineTo(x5, y5)
```

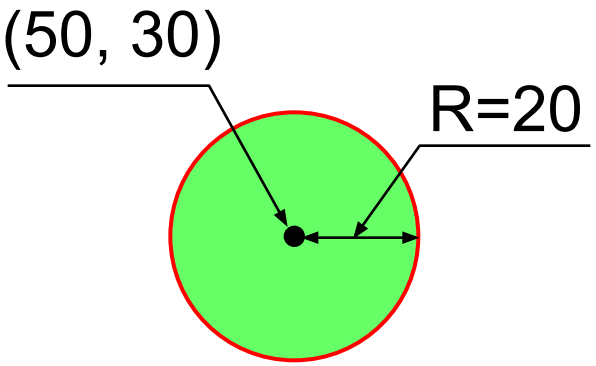
Примитивы (простейшие фигуры)




```
penColor("blue")
brushColor("yellow")
rectangle(10, 20, 50, 40)
```

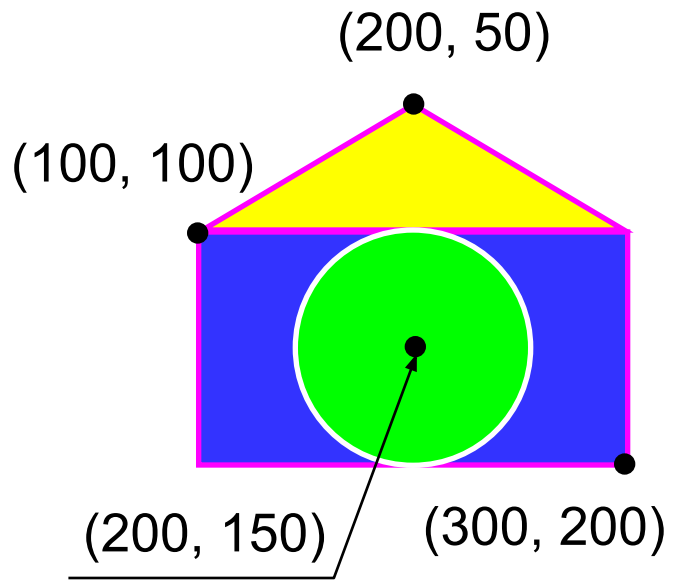



```
penColor("cyan")
brushColor("magenta")
polygon( [(10,10), (50,50),
          (10,50), (10,10)] )
```




```
penColor("red")
brushColor("green")
circle(50, 30, 20)
```

Пример




```
from graph import *
penColor("magenta")
brushColor("blue")
rectangle(100,100,300,200)
brushColor("yellow")
polygon([(100,100), (200,50),
         (300,100), (100,100)])
penColor("white")
brushColor("green")
circle(200, 150, 50)
run()
```