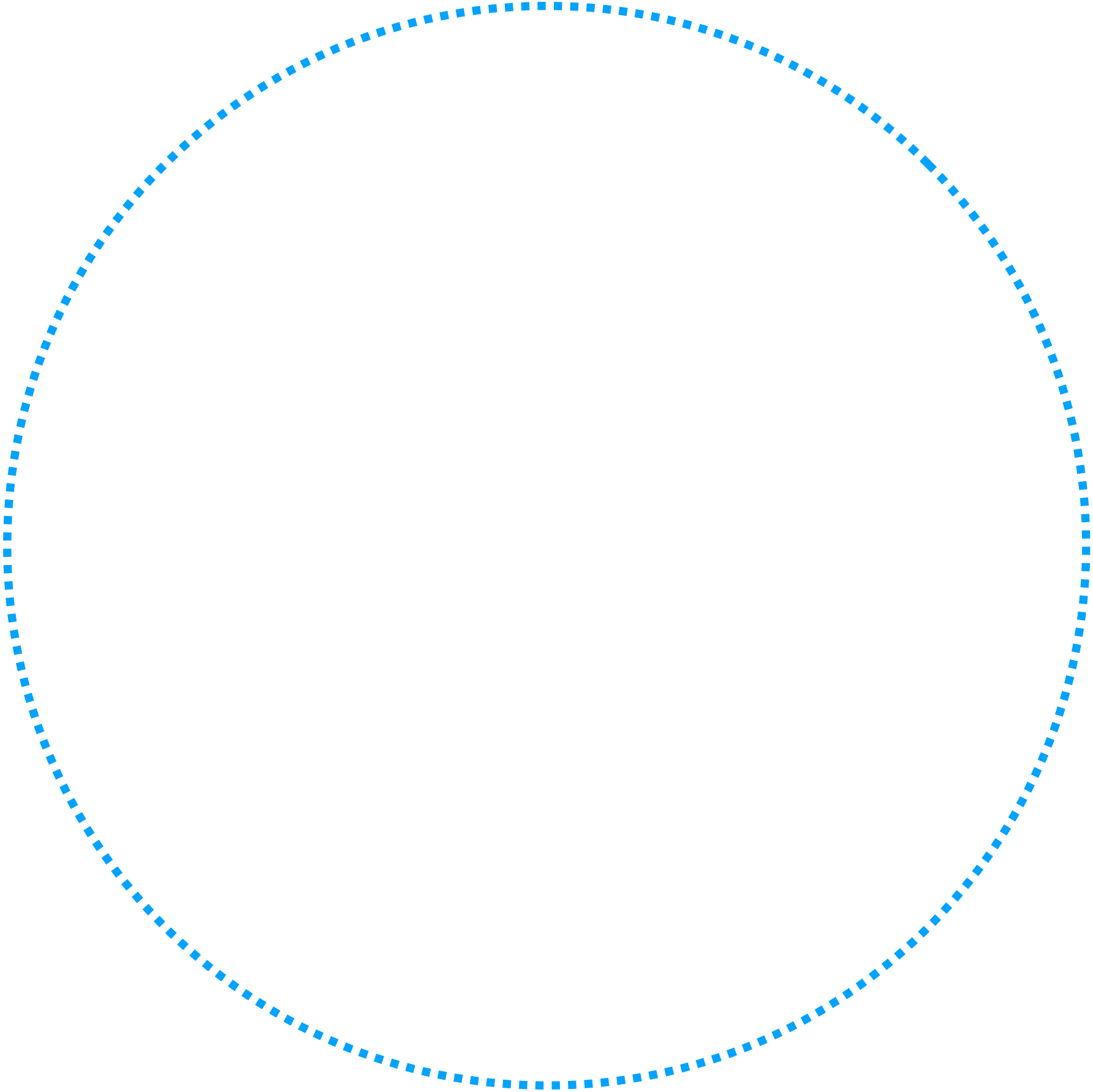
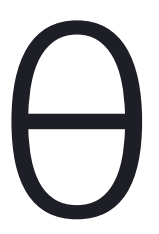
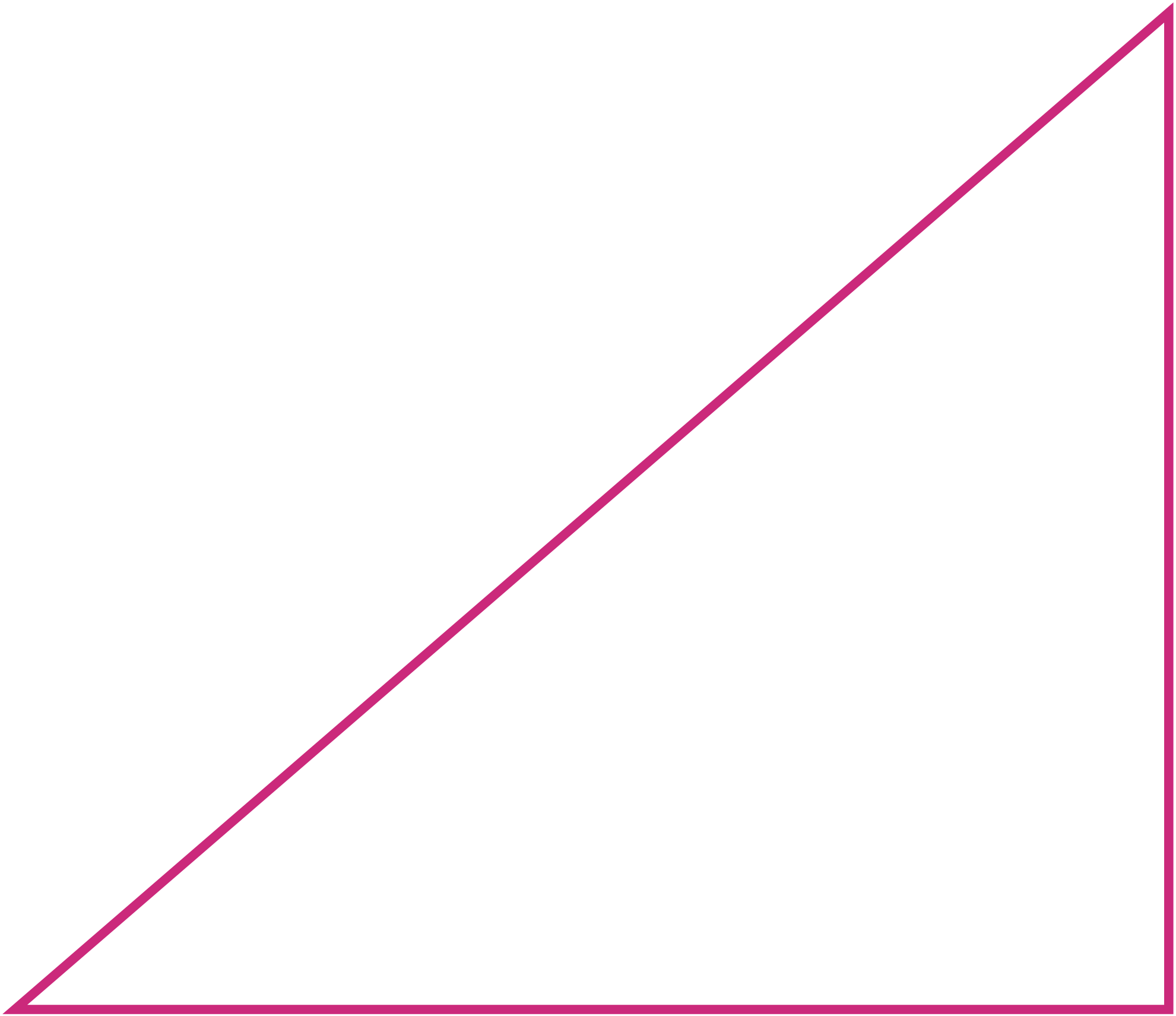


Polar Coords!

endX, endY

startX, startY





$r \sin(\theta)$

r cos(θ)

$$endX = startX + r * \sin(\theta)$$

$$endY = startY + r * \cos(\theta)$$

π/2 or 90°

π or 180°

Grid + Angles

```
// in drawGrid(...)
```

$$//\pi/4 = 45°$$

```
val r = 50f
```

```
val endX = startX + (r * sin(PIf/4))
```

drawLine(

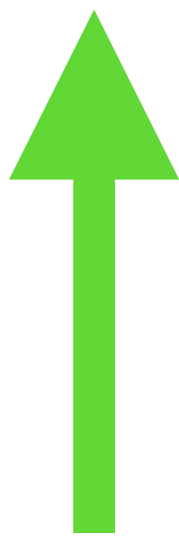
```
end = Offset(endX, endY),
```

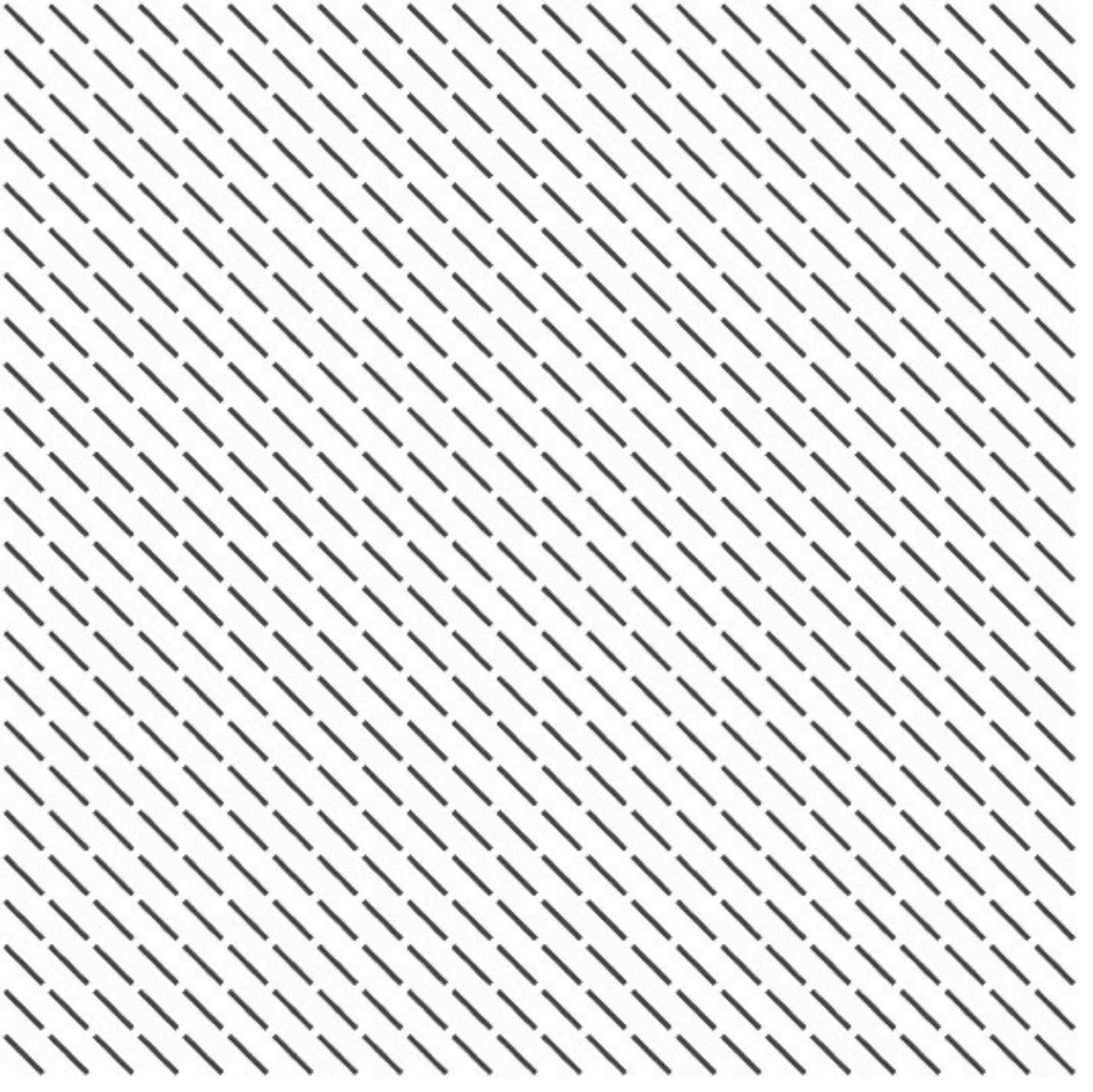
```
start = Offset(startX, startY),
```

```
val endY = startY + (r * cos(PIf/4))
```

What we need for

line’s end Offset



radian = degree * π/180°

θ = radians