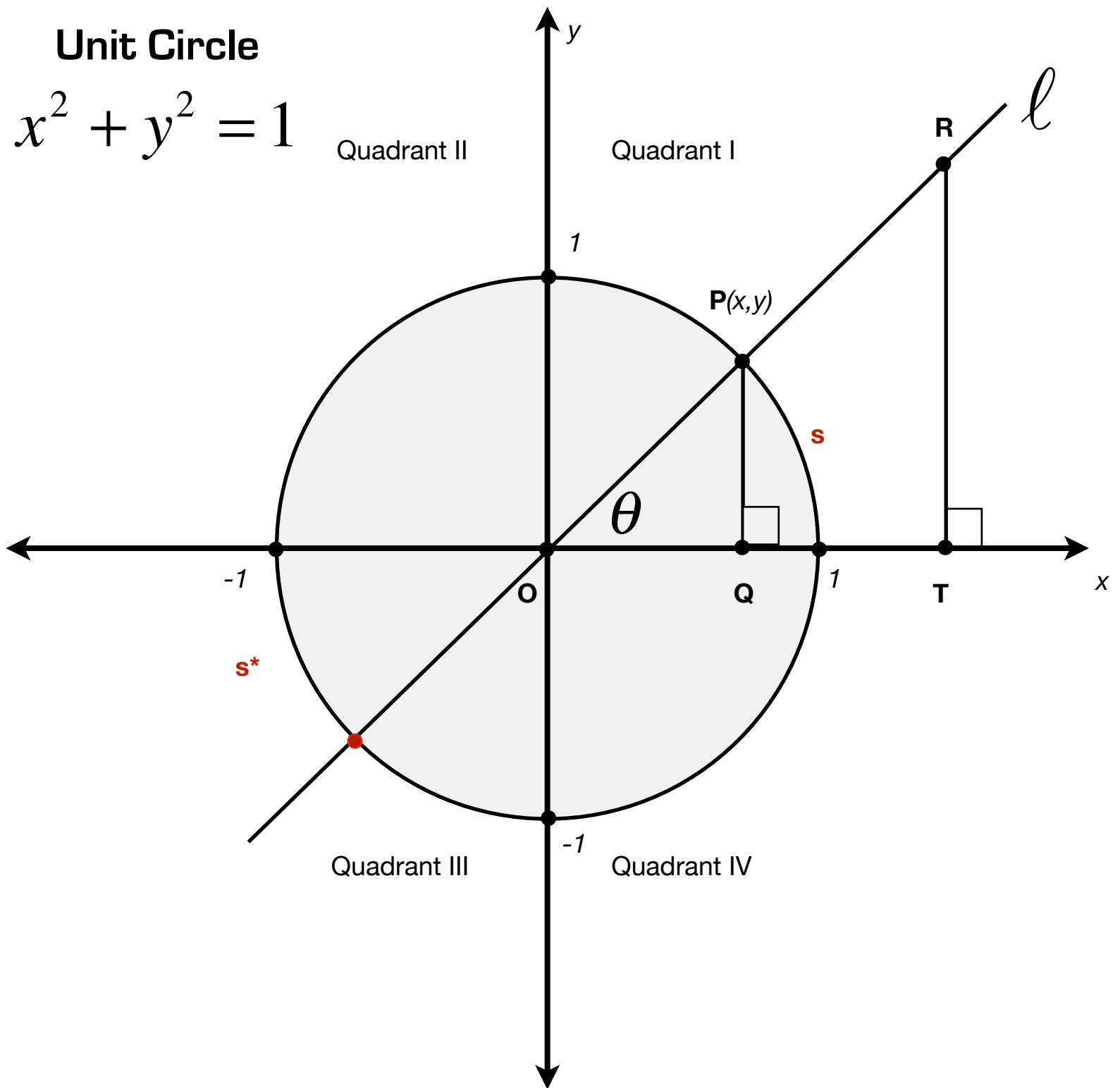


## Unit Circle

$$x^2 + y^2 = 1$$



## Circular Functions

$$\sin(\theta) = \sin(s) = \frac{\overline{RT}}{\overline{OR}} = \frac{y}{1} = y$$

$$\cos(\theta) = \cos(s) = \frac{\overline{OT}}{\overline{OR}} = \frac{x}{1} = x$$

$$\tan(\theta) = \tan(s) = \frac{\overline{RT}}{\overline{OT}} = \frac{y}{x}, x \neq 0$$







