

Distance

Between two points on a coordinate plane

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Between two points A and B on a number line

$$d = |a - b|$$

Arc length

$$\ell = \frac{N}{360} \cdot 2\pi r$$

From a point to a line with equation

$$Ax + By + C = 0 \qquad d = \frac{|Ax_1 + By_1 + C|}{\sqrt{A^2 + B^2}}$$