

## FORMULA LIST

- Distance b/w a point and a line -

$$d = \frac{|ax_1 + by_1 + c|}{\sqrt{a^2 + b^2}}$$

where eqn of line  $L \equiv ax + by + c = 0$   
& point is  $(x_1, y_1)$

- Distance between 2 parallel lines

$$L \equiv ax + by + c_1 = 0$$

$$L \equiv ax + by + c_2 = 0$$

$$d = \frac{|c_2 - c_1|}{\sqrt{a^2 + b^2}}$$