

DISTANCE FORMULA

Analytic Geometry, Theorem 1.1

Drew M. Schaffner

THEOREM 1.1 (*Distance formula*). *The distance between $P_1(x_1, y_1)$ and $P_2(x_2, y_2)$ is*

$$P_1P_2 = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}.$$