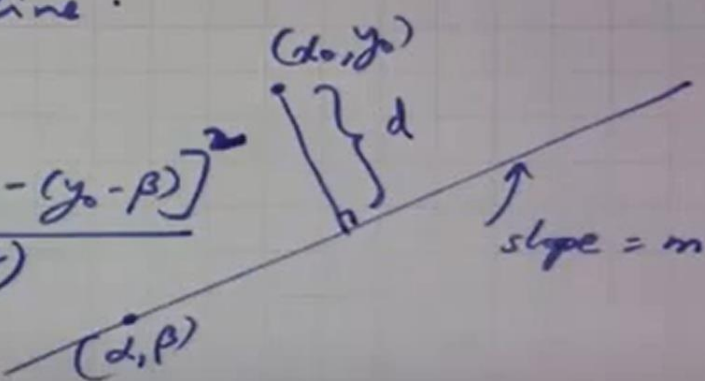
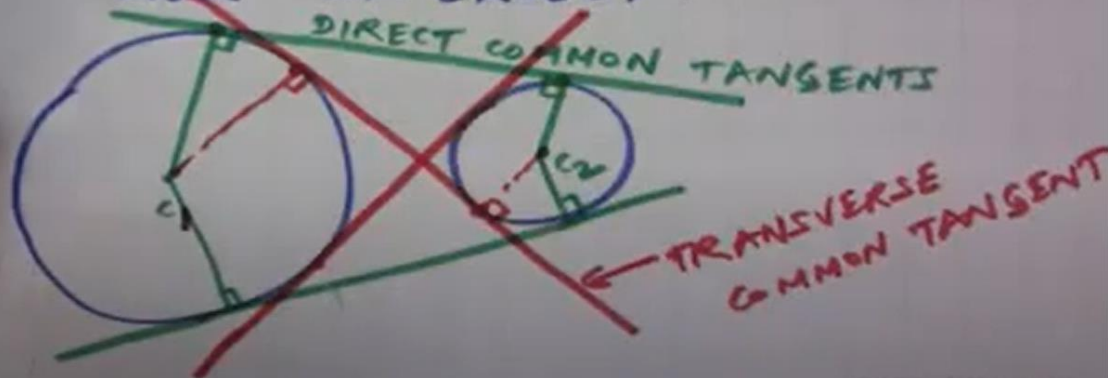


Shortest distance of a point from a straight line.

$$d^2 = \frac{[m(x_0 - \alpha) - (y_0 - \beta)]^2}{(1 + m^2)}$$


COMMON TANGENTS BETWEEN TWO CIRCLES.

CASE i) CIRCLES NEITHER TOUCH NOR INTERSECT.



DIRECTOR CIRCLE

- Centre of the director circle to a given circle is same as the centre of the given circle.

- Radius of the director circle is $\sqrt{2}$ times the radius of the given circle.

