

Pg. 11 Romulo Frangos

1802755

08/01/2021

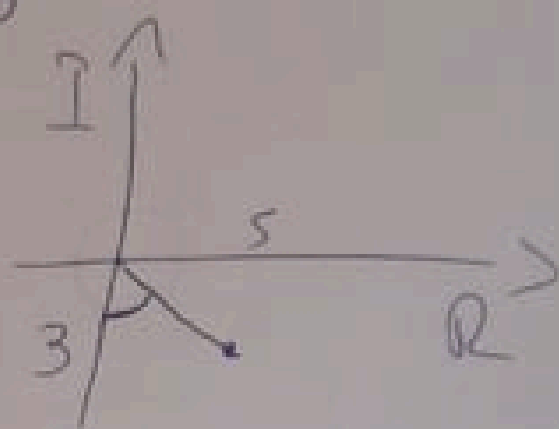
17:36

(iv) $z_1 - z_2$

$$3 + 7j - (-2 + 10j)$$

$$3 + 7j + 2 - 10j$$

$$\Rightarrow \boxed{5 - 3j}$$



$$\tan \cdot = \frac{5}{3} = 59.036$$

$$\Rightarrow \theta = \overset{180}{\cancel{0}} - 59.036$$

$$\theta = \cancel{0} 120.96$$

$$r^2 = 25 + 9$$

$$\boxed{r = \sqrt{34}}$$

$$\sqrt{34} \left(\cos(120.96) + j \sin(120.96) \right)$$