

17/02/2022

Tarea

Algebra Lineal

Resolver el valor en Z indicado así como determinar su vector y su gráfico

$$Z_1 = 2+3i \quad Z_2 = -5+9i$$

Resolver

$$Z = (Z_1) \cdot (Z_2)$$

$$Z = (2+3i) \cdot (-5+9i) = -10+18i-15i+45i^2 = -10+18i-15i+45(-1) \\ = -10+18i-15i-45 = -55+3i$$

$$Z = -55+3i$$

$$r = |Z| = \sqrt{a^2+b^2} = \sqrt{(-55)^2+(3)^2} = \sqrt{3025+9} = \sqrt{3034}$$

