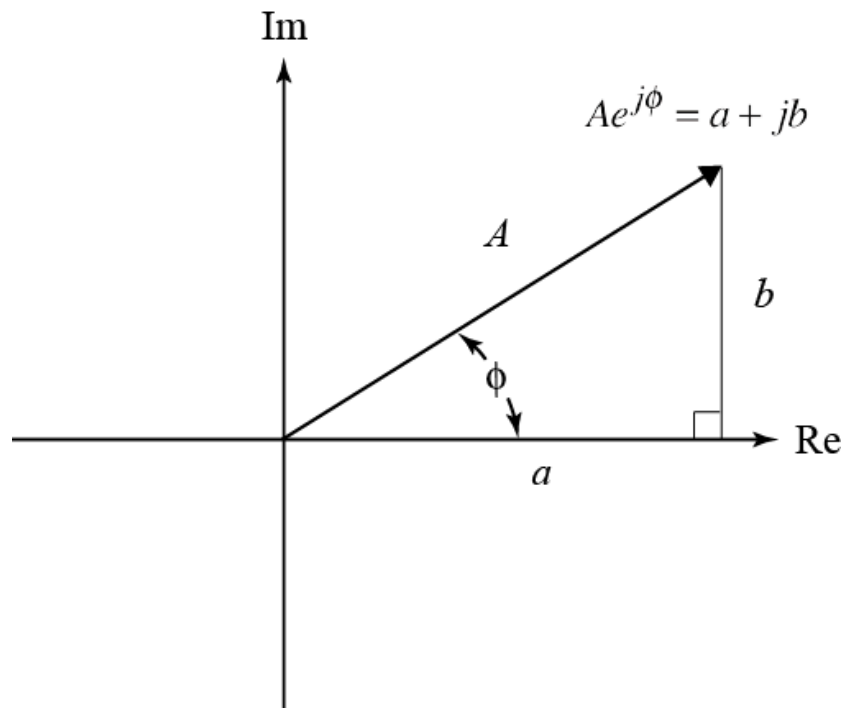


SUMMARY: A right triangle diagram captures the conversion of complex numbers from rectangular to polar form and vice versa.

Polar Form

$$A = \sqrt{a^2 + b^2}$$

$$\phi = \tan^{-1}\left(\frac{b}{a}\right)$$

Rectangular Form

$$a = A \cos \phi$$

$$b = A \sin \phi$$