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Complex variable solution for mode-III linearly varying ...  $Page \frac{4}{10}$ 

In complex analysis, the real numberris not allowed to be negative and is the length of the radius vector forz;thatis,r=|z|. The real number $\theta$ represents the angle, measured in radians, thatzmakes with the positive real axis whenzis inter- preted as a radius vector (Fig. 6).

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$$(1 + i) (x - yi) = i (14 + 7i) - (2 + 13i) 3x + (3x - y) i = 4 - 6i x - 2i2 + 6i = yi + 3xi3$$

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#### Complex analysis - Wikipedia

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