Complex Numbers

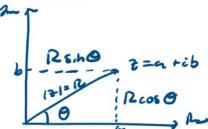
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Complex Numbers

21= 2+3; Ez= 5-40

e)
$$\frac{2}{21} = \frac{2}{21} \cdot \frac{2}{21} = \frac{2}{21} \cdot \frac{2}{21} = \frac{2}{21} \cdot \frac{2}{21}$$

Polar Form



- = Rws 0 + i R Sh 0 = R (cos 0 + i s, h 0

ex. 3. = 3+3i; 12.(=372, 0=45°=12/4 :. 2. = 3-12 (cos = +is.n =)

Complex Exponential

Euler's Formula

Trig Adentities

- (08 (01+02) = c08 01 c0862 - 814 01 814 62

- s.h (O1 + O2) = sh O1000 O2 + cos O1 sin O2