

Math worksheet on 'Complex Numbers -Rectangular Form to Polar Form (Radians) (Level 1)'. Part of a broader unit on 'Complex Numbers'

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Find the polar form in radians of this complex number

 $\mathbf{\hat{c}}.1(cos(2\pi\ rad)+i\cdot sin(2\pi\ rad))$

 $\mathbf{c}_{5.2(cos(0.1\pi\ rad)+i\cdot sin(0.1\pi\ rad))}$

 $oldsymbol{f}_{4.2(cos(0.2\pi\ rad)+i\cdot sin(0.2\pi\ rad))}$

2 Find the polar form in radians of this complex number

$$2\cos(2\pi\ rad) + i\cdot \sin(2\pi\ rad)$$

$$\begin{array}{c} \textbf{b} \\ 1.2(cos(1.3\pi \ rad) + i \cdot sin(1.3\pi \ rad)) \end{array}$$

c 2.3(
$$cos(1\frac{2}{3}\pi \ rad) + i \cdot sin(1\frac{2}{3}\pi \ rad)$$
)

$$\mathbf{C}_{1.2(cos(1.7\pi\ rad)+i\cdot sin(1.7\pi\ rad))}$$

$$2(cos(rac{1}{6}\pi\ rad) + i \cdot sin(rac{1}{6}\pi\ rad))$$

$$oxed{f}_{2.8(cos(0.3\pi\ rad)+i\cdot sin(0.3\pi\ rad))}$$

Find the polar form in radians of this complex number

$$\textbf{5.7} (cos(0.2\pi \ rad) + i \cdot sin(0.2\pi \ rad))$$

$$oldsymbol{b}_{4.5(cos(0.1\pi\;rad)+\,i\cdot sin(0.1\pi\;rad))}$$

$$\mathbf{7.9}(cos(0.1\pi\;rad)+i\cdot sin(0.1\pi\;rad))$$

$$\begin{array}{c} {\color{red}\mathbf{d}} \\ 5.8(cos(\frac{1}{3}\pi \; rad) + i \cdot sin(\frac{1}{3}\pi \; rad)) \end{array}$$

$$ag{6.1}(cos(0.3\pi\ rad)+i\cdot sin(0.3\pi\ rad))$$

4 Find the polar form in radians of this complex number

$$\textbf{3} 5.7 (cos(1.7\pi \ rad) + i \cdot sin(1.7\pi \ rad))$$

$$oldsymbol{b}_{6.4(cos(1.3\pi\;rad)+i\cdot sin(1.3\pi\;rad))}$$

$$.7(cos(1.7\pi\;rad) + i \cdot sin(1.7\pi\;rad)$$

$$\begin{array}{c} \textbf{C}.4(cos(1.3\pi\ rad) + i \cdot sin(1.3\pi\ rad)) \\ \textbf{C}.5(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad)) \end{array}$$

$$\textbf{§}.1(cos(1\frac{2}{3}\pi \ rad) + i \cdot sin(1\frac{2}{3}\pi \ rad))$$

$$\mathbf{f}_{\mathbf{5}(cos(1.3\pi\ rad)+i\cdot sin(1.3\pi\ rad))}$$

Find the polar form in radians of this complex number

$$\mathbf{30.1}(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$$

$$oldsymbol{b}_{0(cos(0.3\pi\ rad)+i\cdot sin(0.3\pi\ rad))}$$

$$\mathbf{5.8}(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$$

$$\sum_{i=0}^{n} \mathbf{d}_{i} \left(\cos(0.3\pi \; rad) + i \cdot \sin(0.3\pi \; rad)
ight)$$

6 Find the polar form in radians of this complex number

$$\mathbf{A}_{-5}(cos(0.1\pi\;rad)+i\cdot sin(0.1\pi\;rad))$$

$$\mathbf{b}_{5.4(cos(0.1\pi\ rad)+i\cdot sin(0.1\pi\ rad))}$$

$$oldsymbol{b}_{5.4(cos(0.1\pi\ rad)+i\cdot sin(0.1\pi\ rad)}$$

$$7.4(cos(1.7\pi\;rad)+i\cdot sin(1.7\pi\;rad))$$

$$4(cos(2\pi \; rad) + i \cdot sin(2\pi \; rad))$$

$$oldsymbol{1.9} (cos(1.7\pi\;rad) + i \cdot sin(1.7\pi\;rad)$$

7 Find the polar form in radians of this complex number

$$\mathbf{f0.2}(cos(0.4\pi\;rad)+i\cdot sin(0.4\pi\;rad))$$

$$oldsymbol{b}_{8(cos(0.3\pi\ rad)+i\cdot sin(0.3\pi\ rad))}$$

$$\mathbf{C}_{11.4(cos(1.6\pi\ rad)+i\cdot sin(1.6\pi\ rad)}$$

$$\mathbf{N}(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad)$$

$$\mathbf{f0}(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$$

$$\mathbf{f} \\ 5.8(cos(1.7\pi \ rad) + i \cdot sin(1.7\pi \ rad))$$