



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

Learn online: app.mobius.academy/math/units/complex_numbers/

$$1.8.5(\cos(1.3\pi \text{ rad}) + i \cdot \sin(1.3\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$2.7.2(\cos(1.2\pi \text{ rad}) + i \cdot \sin(1.2\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$3.7.1(\cos(0.8\pi \text{ rad}) + i \cdot \sin(0.8\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$4.7.2(\cos(1.3\pi \text{ rad}) + i \cdot \sin(1.3\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$5.6.7(\cos(1.4\pi \text{ rad}) + i \cdot \sin(1.4\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$6.5.7(\cos(0.3\pi \text{ rad}) + i \cdot \sin(0.3\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

$$7.7.1(\cos(1.8\pi \text{ rad}) + i \cdot \sin(1.8\pi \text{ rad}))$$

Find the exponential form in radians of this complex number

a	b	c	d	e	f
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>