

 $\left[8.5(cos(1.3\pi\ rad)+i\cdot sin(1.3\pi\ rad))
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Math worksheet on 'Complex Numbers - Polar to Exponential Form (Radians) (Level 1)'. Part of a broader unit on 'Complex Numbers'

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a	b	C	d	е	f
$11.7e^{1.2\pi i}$	$8.5e^{1.3\pi i}$	10.8 $e^{0.8\pi i}$	$11.3e^{0.8\pi i}$	$12e^{0.7\pi i}$	$12.2e^{0.8\pi i}$

Find the exponential form in radians of this complex number

## $7.2(cos(1.2\pi\ rad) + i \cdot sin(1.2\pi\ rad))$

Find the exponential form in radians of this complex number

а	b	C	d	е	f
12.8 $e^{1.2\pi i}$	$11.2e^{1.1\pi i}$	$8.6e^{1.2\pi i}$	$7.2e^{1.2\pi i}$	$11.4e^{1.2\pi i}$	$9.5e^{1.1\pi i}$

$$7.1(cos(0.8\pi\;rad)+i\cdot sin(0.8\pi\;rad))$$

Find the exponential form in radians of this complex number

a		b	С	d	е	f
3	$.6e^{0.3\pi i}$	$7.6e^{0.6\pi i}$	$7.1e^{0.8\pi i}$	8.6 $e^{0.7\pi i}$	$5e^{0.7\pi i}$	$5.4e^{0.6\pi i}$

$$oldsymbol{7}.2(cos(1.3\pi\ rad)+i\cdot sin(1.3\pi\ rad))$$

Find the exponential form in radians of this complex number

а	b	C	d	е	f
$7.2e^{1.3\pi i}$	$10.3e^{1.3\pi i}$	$10.3e^{0.3\pi i}$	$5.8e^{1.3\pi i}$	$5.7e^{1.3\pi i}$	$7.6e^{1.4\pi i}$

$$\boldsymbol{5.7}(cos(1.4\pi \; rad) + i \cdot sin(1.4\pi \; rad))$$

Find the exponential form in radians of this complex number

а	b	С	d	е	f
$9.2e^{1.2\pi i}$	$9.2e^{1.3\pi i}$	$6.7e^{1.4\pi i}$	$7.2e^{1.2\pi i}$	$6.4e^{1.3\pi i}$	$5.8e^{1.2\pi i}$

$$5.7(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$$

Find the exponential form in radians of this complex number

а	b	C	d	е	f
$5.7e^{0.3\pi i}$	$3.2e^{1.1\pi i}$	$5.4e^{1.1\pi i}$	$2.2e^{1.4\pi i}$	$5.1e^{1.4\pi i}$	$3.6e^{0.2\pi i}$

$$7.1(cos(1.8\pi \; rad) + i \cdot sin(1.8\pi \; rad))$$

Find the exponential form in radians of this complex number

a	b	C	d	е	f
7.1 $e^{1.8\pi i}$	8.1 $e^{1\frac{5}{6}\pi i}$	$9.2e^{0.7\pi i}$	7.8 $e^{rac{13}{18}\pi i}$	$6.4e^{1.2\pi i}$	$9.2e^{0.8\pi i}$