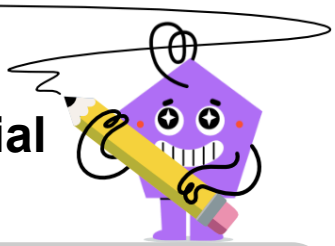
Name

Complex Numbers - Polar to Exponential Form (Radians)



1 $4.2(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$4.2e^{0.3\pi i}$	$5e^{0.3\pi i}$	$6.7e^{1.4\pi i}$	$4.5e^{1.4\pi i}$	$5.4e^{0.4\pi i}$	$6.4e^{1.3\pi i}$

2 $4.5(cos(0.9\pi\ rad) + i \cdot sin(0.9\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$4.1e^{0.4\pi i}$	$5e^{2\pi i}$	$2.2e^{1.6\pi i}$	$4.5e^{0.9\pi i}$	$2.2e^{1.4\pi i}$	$3e^{2\pi i}$

3 $5.8(cos(0.7\pi\ rad) + i \cdot sin(0.7\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$7.1e^{0.5\pi i}$	$9.5e^{0.4\pi i}$	$6.7e^{0.4\pi i}$	$5.7e^{0.3\pi i}$	$5.8e^{0.7\pi i}$	$10.4e^{0.4\pi i}$

4 $4.4(cos(0.8\pi\ rad) + i \cdot sin(0.8\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$4e^{1\frac{1}{2}\pi i}$	$6.4e^{0.8\pi i}$	$3.2e^{1.6\pi i}$	$3.6e^{0.7\pi i}$	$2e^{1\frac{1}{2}\pi i}$	$4.5e^{0.9\pi i}$

5 $7.2(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$8.2e^{0.1\pi i}$	$7.2e^{0.2\pi i}$	$8.5e^{0.3\pi i}$	$8.1e^{0\pi i}$	$8.9e^{0.1\pi i}$	$7.2e^{1.7\pi i}$

6 $5.8(cos(1.8\pi\ rad) + i \cdot sin(1.8\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$5.8e^{1.8\pi i}$	$10.8e^{1.1\pi i}$	$5.4e^{0.1\pi i}$	$7.2e^{1.2\pi i}$	$8.9e^{1.9\pi i}$	$5.4e^{1.1\pi i}$

7 $6.3(cos(0.9\pi\ rad) + i \cdot sin(0.9\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$6.1e^{\frac{17}{18}\pi i}$	$8.6e^{1.8\pi i}$	$9.2e^{1.8\pi i}$	$6.7e^{1.9\pi i}$	$7.2e^{0.8\pi i}$	$6.3e^{0.9\pi i}$

8 $3.7(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

Find the exponential form in radians of this complex number

A	B	C	D	E	F
$3.2e^{1.1\pi i}$	$5.1e^{1.4\pi i}$	$5.7e^{0.3\pi i}$	$5.4e^{1.1\pi i}$	$2.2e^{1.4\pi i}$	$3.6e^{0.2\pi i}$