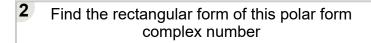


Math worksheet on 'Complex Numbers - Polar Form (Degrees) to Rectangular Form (Level 1)'. Part of a broader unit on 'Complex Numbers'

Learn online: app.mobius.academy/math/units/complex numbers/



$$5.8(cos(31^{\circ})+i\cdot sin(31^{\circ}))$$

$$5(cos(53^{\circ}) + i \cdot sin(53^{\circ}))$$

a b c d e f
$$2+5i$$
 $2-7i$ $3+5i$ $3+4i$ $2-6i$ $2+7i$

6 Find the rectangular form of this polar form complex number

$$4.5(cos(63^{\circ})+i\cdot sin(63^{\circ}))$$

a b c d e f
$$1-4i\begin{vmatrix} 1+4i & 2-3i & 2+4i & 2-4i & 1-3i \end{vmatrix}$$

$$5.7(cos(225^{\circ})+i\cdot sin(225^{\circ}))$$

Find the rectangular form of this polar form complex number

a b c d e f
$$-2i$$
 $-4i$ $-2-2i$ $-4-2i$ $-4-1i$ $-4-4i$

$$\mathbf{5.8}(cos(149^{\circ}) + i \cdot sin(149^{\circ}))$$

Find the rectangular form of this polar form complex number

a b c d e f
$$-5+3i$$
 $5+4i$ $6+4i$ $4+4i$ $-5+4i$ $-5-3i$

$$7.1(cos(225^\circ) + i \cdot sin(225^\circ))$$

Find the rectangular form of this polar form complex number

a b c d e f
$$-2+6i-3+6i-5+6i-5+5i-5-5i-4+6i$$

Find the rectangular form of this polar form complex number

$$5(cos(217^{\circ}) + i \cdot sin(217^{\circ}))$$

a b c d e f 1 - 4
$$i$$
 2 - 3 i 2 + 4 i 2 - 4 i 1 - 3 i a b c d e f -7 - 3 i -7 - 1 i -5 - 3 i -7 -6 - 3 i -4 - 3 i