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

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

1 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(7.8, 1\frac{13}{18}\pi\ rad)$$

a	b	c	d	e	f
$3-6i$	$5-6i$	$1-8i$	$1-12i$	$1-10i$	$1-6i$

2 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(3.6, 0.2\pi\ rad)$$

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

3 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(6.7, 1.1\pi\ rad)$$

a	b	c	d	e	f
$6+1i$	$6+3i$	$-6-3i$	8	10	6

4 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(5.7, 0.8\pi\ rad)$$

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

5 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(4.2, 1.8\pi\ rad)$$

a	b	c	d	e	f
$4-1i$	$-1i$	$4-3i$	$2-3i$	$2-1i$	$3-3i$

6 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(5, 0.7\pi\ rad)$$

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

7 Find the rectangular form of the complex number that has a modulus and argument (r, θ) of

$$(5.4, 0.9\pi\ rad)$$

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