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

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1

$6.4(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

Find the rectangular form of this polar form complex number

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

2

$4.2(cos(0.8\pi\ rad) + i \cdot sin(0.8\pi\ rad))$

Find the rectangular form of this polar form complex number

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

3

$5.8(cos(1.2\pi\ rad) + i \cdot sin(1.2\pi\ rad))$

Find the rectangular form of this polar form complex number

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

4

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

Find the rectangular form of this polar form complex number

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

5

$5.4(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad))$

Find the rectangular form of this polar form complex number

a	b	c	d	e	f
$-2 - 8i$	$-2 - 7i$	$2 - 7i$	$-2 - 9i$	$2 - 5i$	$-2 - 10i$

6

$6.4(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

Find the rectangular form of this polar form complex number

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

7

$7.1(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

Find the rectangular form of this polar form complex number

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