Complex Numbers - Modulus and Argument (Radians) to Rectangular Form

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

$$(4.5, 0.9\pi\ rad)$$

2 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	A	B	C	D	E	F
5	$-5+2i$	$4+1i$	$-4+2i$	4	$5+2i$	$-3-4i$	$-5-3i$	$-7-3i$	$-3+4i$	$-5-4i$	$-7-2i$

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

$$(5.8, 0.8\pi\ rad)$$

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

$$(5.8, 1.8\pi\ rad)$$

A	B	C	D	E	F	A	B	C	D	E	F
$9+5i$	$-5+3i$	$5+3i$	$8+5i$	$6+5i$	$5+5i$	$-7-1i$	$5-1i$	$-5+1i$	$5-3i$	$-7+1i$	$5-5i$

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

$$(5.8, 0.3\pi\ rad)$$

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

$$(5.7, 1.8\pi\ rad)$$

A	B	C	D	E	F	A	B	C	D	E	F
$5+4i$	$3+5i$	$3+3i$	$4+4i$	$4+3i$	$3+4i$	$4-5i$	$4-4i$	$3-5i$	$2-4i$	$3-4i$	$2-6i$

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

$$(6.4, 1.8\pi\ rad)$$

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

$$(7.1, 0.3\pi\ rad)$$

A	B	C	D	E	F	A	B	C	D	E	F
$6-3i$	$5-4i$	$6-6i$	$6-5i$	$6-4i$	$6-2i$	$6+6i$	$5+6i$	$5+5i$	$6+7i$	$6+5i$	$6+3i$