mobius

Complex Numbers - Exponential (Radians) to Rectangular Form

1 Find the rectangular form of this complex number that is in exponential form

$$4.2e^{0.8\pi i}$$

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

2 Find the rectangular form of this complex number that is in exponential form

$$5.4e^{0.4\pi i}$$

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

3 Find the rectangular form of this complex number that is in exponential form

$$6.4e^{0.8\pi i}$$

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

4 Find the rectangular form of this complex number that is in exponential form

$$6.3e^{1.6\pi i}$$

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

5 Find the rectangular form of this complex number that is in exponential form

$$6.4e^{0.2\pi i}$$

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

6 Find the rectangular form of this complex number that is in exponential form

$$6.7e^{1.4\pi i}$$

A	B	C
$3-7i$	$-4+8i$	$-3+8i$
D	**E**	**F**
$-3-6i$	$3-6i$	$3-8i$

7 Find the rectangular form of this complex number that is in exponential form

$$4.2e^{1.8\pi i}$$

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

8 Find the rectangular form of this complex number that is in exponential form

$$4.5e^{0.4\pi i}$$

A	B	C
$-3+4i$	$-5+6i$	$-5+4i$
D	**E**	**F**
$2+4i$	$-2+4i$	$-1+4i$

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