

TUTORS: THIS IS A TAKE HOME QUIZ

Find the trigonometric form of

[a] $-5 + 5\sqrt{3}i$

[b] $-6\sqrt{3} - 6i$

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Find the standard form of

[a] $8 \operatorname{cis} \frac{3\pi}{4}$

[b] $10 \operatorname{cis} \frac{7\pi}{4}$

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Use DeMoivre's Theorem and write in standard form for

[a] $(-1 + i)^5$

[b] $(\sqrt{3} - i)^7$

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