Problem 3.6

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2 points possible (ungraded)

Do the limits exist?

$\lim_{R\to\infty} \int_{C_R} e^{iz}$, where C_R - semicircle of radius $|z| = R$ in the upper half-plane

- yes
- no

$\lim_{R\to\infty} \int_{C_R} e^{iz^2}$, where C_R - the arc $z = Re^{i\phi}$ with $0 \leq \phi \leq \pi/4$?

- yes
- no

Submit You have used 0 of 2 attempts