Problem 1.8

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Homework due Oct 24, 2020 20:00 EDT

Problem 1.8

0.0/4.0 points (graded)

Calculate the integral

$$\int_{\mathcal{C}} \frac{ydx - xdy}{x^2 + y^2}$$

along the unit circle $\mathcal{C}$ -- counterclockwise -- in the complex plane $z = x + iy$, centered at different points. Use i for complex unity and pi for π.

1) Circle centered at $z = 0$.

2) Circle centered at $z = 2$

Submit You have used 0 of 6 attempts

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