

QUESTION Sketch the image of each of the following sets under the exponential function $z \rightarrow e^z$.

(a) $-1 \leq x \leq 0, -\frac{\pi}{4} \leq y \leq \frac{\pi}{4}$.

(b) $-1 \leq x \leq 0, \pi \leq y \leq 2\pi$.

(c) $0 < y < 2\pi$

ANSWER DIAGRAM