Complex Exponentials

Quiz: Complex Exponentials.
The magnitude of $e^{(a+bi)t}$ is e^{at}, and the argument of $e^{(a+bi)t}$ is bt. When $a > 0$ and $b > 0$, we can think of $e^{(a+bi)t}$ as a point in the complex plane which traces out a path as t varies.

The curve in the complex plane traced out by

$$e^{(1+2\pi i)t}$$

most closely resembles which of the following?

Think about your answer and then look at the choices.

18.03SC Differential Equations
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