QUESTION
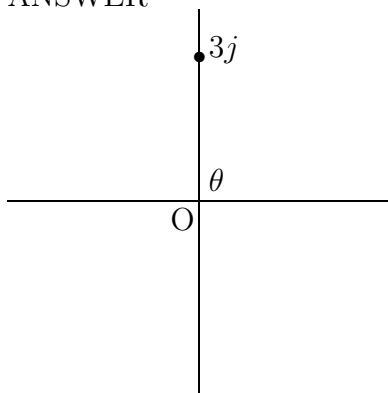Write $z = 3j$ in exponential form.
ANSWER

$3j$

θ

O

Clearly $r = 3, \theta = \dfrac{\pi}{2}$

Therefore $3j = 3e^{j\frac{\pi}{2}}$