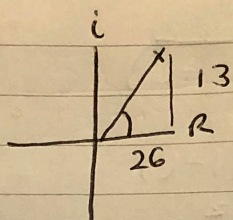


SO, $26 + 13i$

$$R = \sqrt{26^2 + 13^2} \quad R = \sqrt{676 + 169} = 29.1$$



$$\tan \theta = \frac{0}{a} \quad \tan \theta = \frac{13}{26}$$

$$\theta = 26.6^\circ$$

SO $z = 29 \angle 27^\circ$

rounded.

C.

$1 + 3i$ and $1 + i$

$$\frac{1+3i}{1+i} \times \frac{1-i}{1-i} = \frac{1-i+3i-3i^2}{1+i-i-i^2} = \frac{4+2i}{2} = 2+i$$