

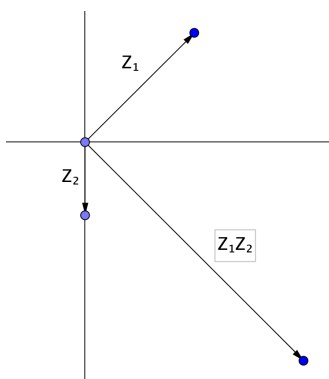
11.2a

1. $\sqrt{2}cis135^\circ$
4. $2\sqrt{2}cis225^\circ$
6. $4cis30^\circ$
9. $-1.04 + 5.91i$
12. $-\sqrt{2} + i\sqrt{2}$

11.2b

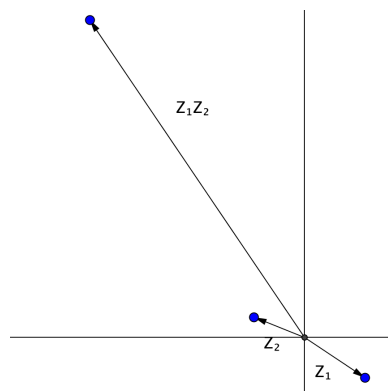
13. $10i$
16. $-6\sqrt{2} + 6i\sqrt{2}$
- 18a. $6 - 6i$ b. $6\sqrt{2}cis315^\circ$

c.



- 21a. $-22 + 32i$ b. $2\sqrt{377}cis(124.5^\circ)$

c.



24. Rotates the arrow by 30° .
29. $z = rcis(\theta)$, $\bar{z} = rcis(-\theta)$
30. $z = rcis(\theta)$, $\frac{1}{z} = \frac{1}{r}cis(-\theta)$