



255
$$2-2\sqrt{3}i$$

$$\left[4\left(\cos\frac{5}{3}\pi + i\sin\frac{5}{3}\pi\right)\right]$$

$$C = \sqrt{x^2 + y^2} = \sqrt{z^2 + (-2\sqrt{3})^2} = \sqrt{4 + 12} = 4$$

$$\tan \vartheta = \frac{y}{x} = \frac{-2\sqrt{3}}{2} = -\sqrt{3}$$
 $\vartheta = \arctan(-\sqrt{3}) + 2\pi =$

$$2 = 4\left(\cos\frac{5\pi}{3} + i\sin\frac{5\pi}{3}\right)$$

$$\sqrt{3}\left(\cos\frac{5}{6}\pi + i\sin\frac{5}{6}\pi\right)$$

$$\left[-\frac{3}{2}+\frac{\sqrt{3}}{2}i\right]$$

$$2 = \sqrt{3} \left(-\frac{\sqrt{3}}{2} + i \frac{1}{2} \right) = -\frac{3}{2} + \frac{\sqrt{3}}{2}i$$

