

3.86
k.8

$$|z| = \frac{|x^2 - y^2 + 2xyi|}{|xy\sqrt{2} + i\sqrt{x^4 + y^4}|} = \frac{|(x+iy)^2|}{|xy\sqrt{2} + i\sqrt{x^4 + y^4}|} = \frac{x^2 + y^2}{\sqrt{2x^2y^2 + x^4 + y^4}}$$

$$\frac{x^2 + y^2}{\sqrt{(x^2 + y^2)^2}} = \frac{x^2 + y^2}{x^2 + y^2} = 1$$

$$\frac{y^2 - y^2 - 2y^2i}{-y^2\sqrt{2} + i\sqrt{2}y^2} = \frac{-2y^2i}{-y^2\sqrt{2} + i\sqrt{2}y^2} = \frac{-2y^2i}{-\sqrt{2}y^2(1+i)} = \frac{\sqrt{2}i}{1+i} \cdot \frac{1+i}{1+i} =$$

$$= \frac{\sqrt{2}(1+i)}{2} = \frac{-1+i}{\sqrt{2}} \rightarrow \theta = 135^\circ$$

3.86
9

1 3.33 δ 0.25 i $P_{1/0}$

(2) δ 3.67 δ " \bar{z} "