

3.98
29

$$2 \leq \operatorname{Im}(\bar{z})^2 < 4 \rightarrow 2 \leq \operatorname{Im}(x-iy)^2 < 4$$

$$2 \leq \operatorname{Im}(x^2 - 2xyi - y^2) < 4$$

$$2 \leq \cancel{\operatorname{Re}} - 2xy < 4$$

$$-1 \geq xy > -2$$

$$|z-1+i| < 10 \rightarrow (x-1)^2 + (y+1)^2 < 100$$

