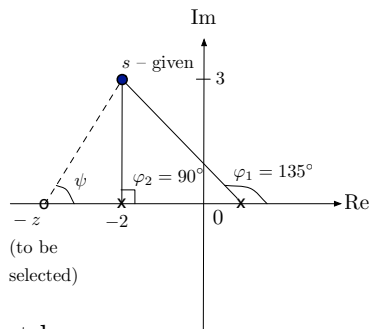


Pole Placement via RL



We have

$$\varphi_1 = 135^\circ,$$

$$\varphi_2 = 90^\circ$$

$$\text{We want } \psi = 180^\circ + \sum_i \varphi_i$$

Must have

$$\psi = 180^\circ + 135^\circ + 90^\circ$$

$$= 405^\circ$$

$$= 45^\circ \text{ mod } 360^\circ$$

Thus, we should

have $z = -5$

