

Solutions exercises module 2: (no steps shown)

A.

$$1) z_0 = -1, R = \frac{1}{4}$$

$$2) z_0 = \pi i, R = 0$$

$$3) z_0 = i, R = \sqrt{3}$$

$$4) z_0 = -3, R = 4$$

$$5) z_0 = 2, R = \frac{1}{8}$$

$$6) z_0 = -\frac{1}{2}, R = 0$$

$$7) z_0 = 2i, R = \infty$$

$$8) z_0 = 0, R = \sqrt{\frac{13}{2}}$$

$$9) z_0 = -i, R = \frac{1}{2}$$

$$10) z_0 = 0, R = 2$$