

## Exercises

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(1) Find the Möbius transformation that maps the points

$$z_1 = \infty, \quad z_2 = i, \quad z_3 = 0$$

onto the points

$$w_1 = 0, \quad w_2 = i, \quad w_3 = \infty.$$

(2) Find the Möbius transformation that maps the points

$$z_1 = -1, \quad z_2 = \infty, \quad z_3 = i$$

onto the points

$$w_1 = \infty, \quad w_2 = i, \quad w_3 = 1.$$