w=az+b

Enter center of the circle (o):

e.g., 2+1i

Enter radius of the circle (r):

e.g., 3

Enter complex number a:

e.g., 2+1i

Enter complex number b:

e.g., 1-2i

Find   Clear

Orginal circle

$|z - (2 + 3i)| \leq 3.0$

Linear function

$w = (2 - 1i) z + 1 + 1i$

Final circle

$|z - (8 + 5i)| \leq 6.708203932499369$