

$$w = az + b$$

Enter a:

e.g., 2+1i

Enter b:

e.g., 1-2i

Enter the number of points ($n \geq 2$):

Enter the points of the polygon you want to insert in sequence!

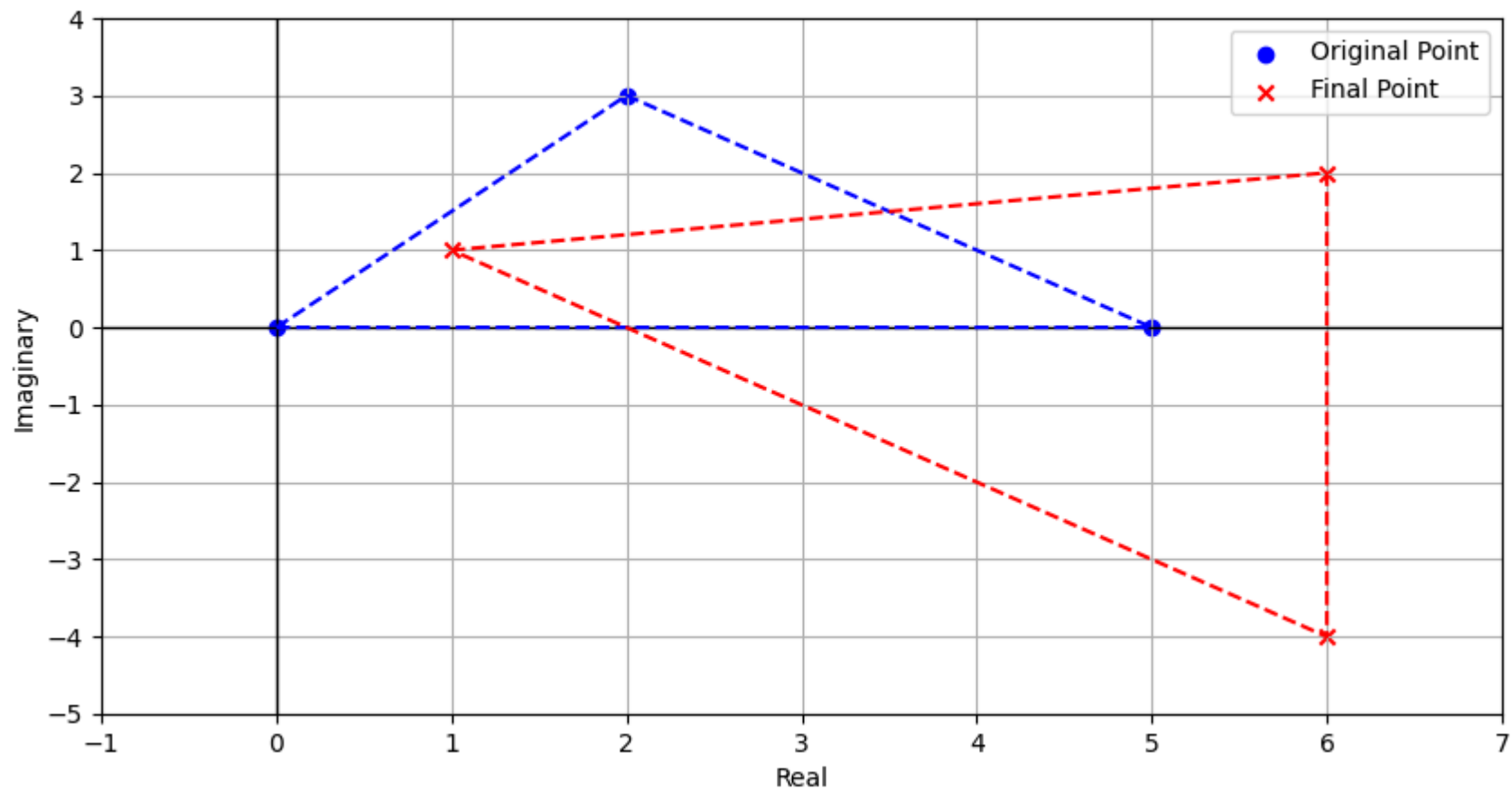
Add Points

Find

Clear

Linear function

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



Linear function

Orginal Points	Final Points
0	1 + 1i
2 + 3i	6 + 2i

5

6 - 4i

$$w = az + b$$

Enter a:

e.g., 2+1i

Enter b:

e.g., 1-2i

Enter the number of points ($n \geq 2$):

Enter the points of the polygon you want to insert in sequence!

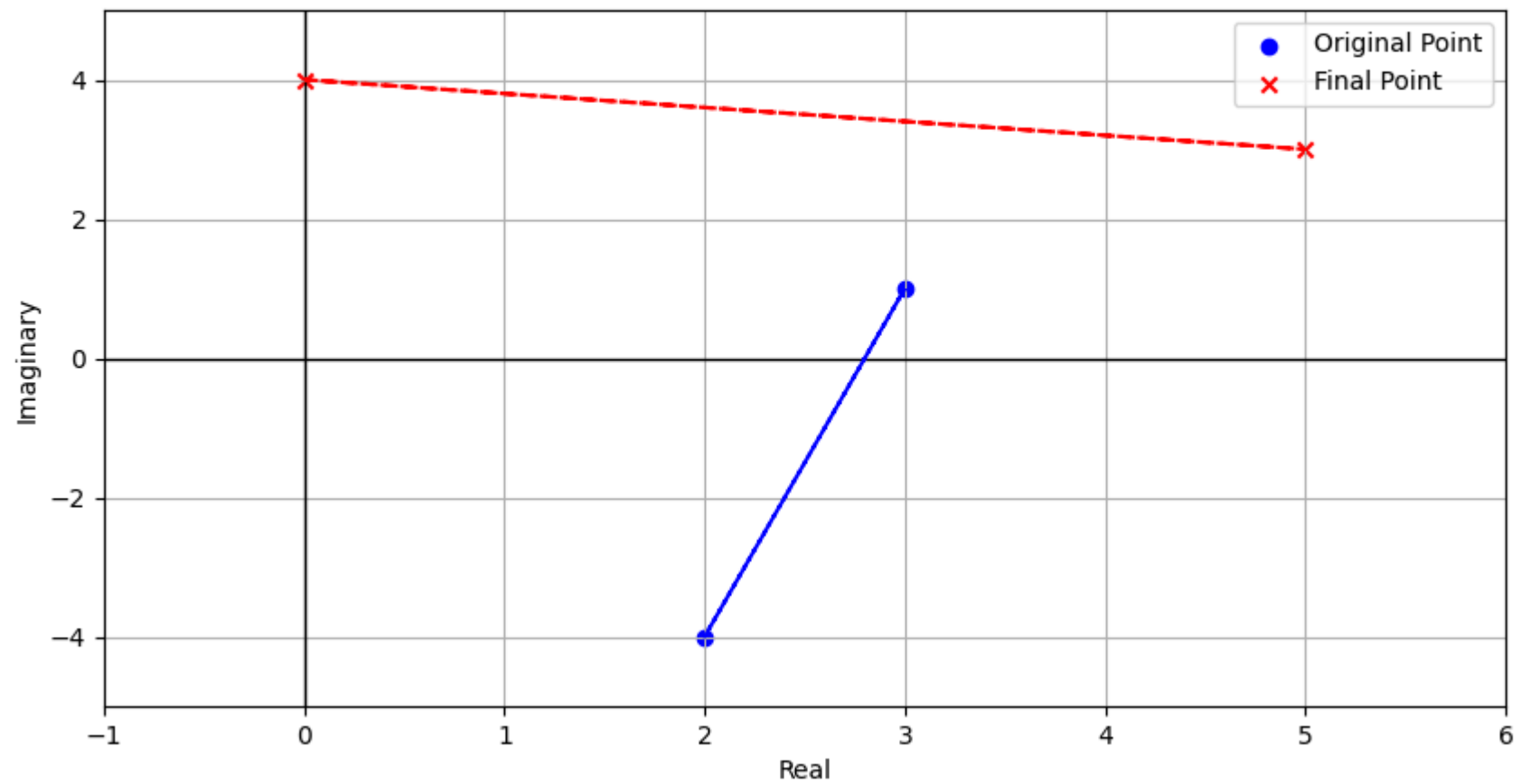
Add Points

Find

Clear

Linear function

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



Linear function

Orginal Points

Final Points

$$3 + 1i$$

$$2 - 4i$$

$$4i$$

$$5 + 3i$$

$$w = az + b$$

Enter a:

e.g., 2+i

Enter b:

e.g., -2i

Enter z:

e.g., 3+4i

Find

Clear

$$a = 1 + 1i, b = 1 - 1i$$

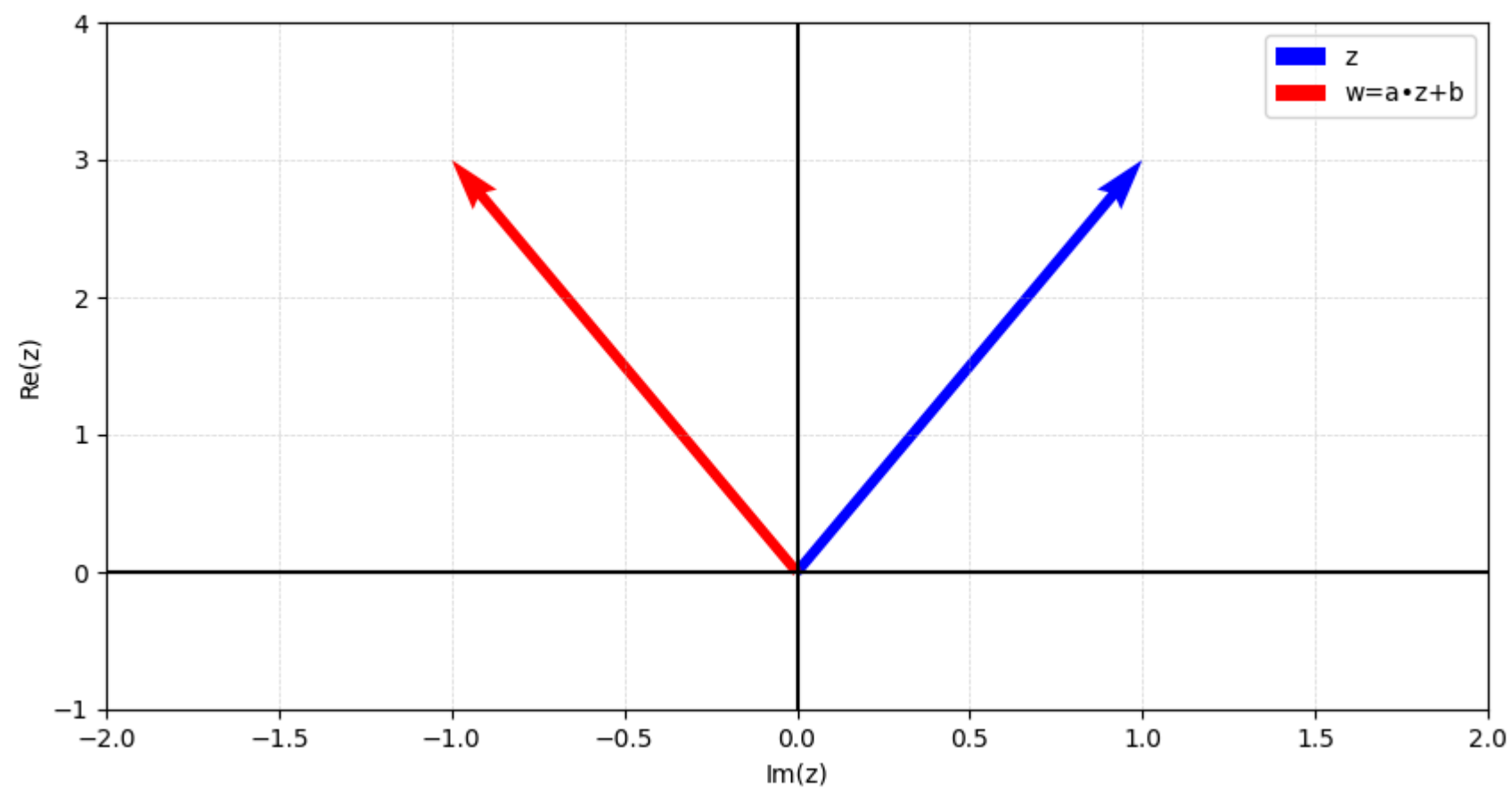
$$z = 1 + 3i$$

Result

$$w = az + b$$

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

$$w = -1 + 3i$$



$$w = az + b$$

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

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

