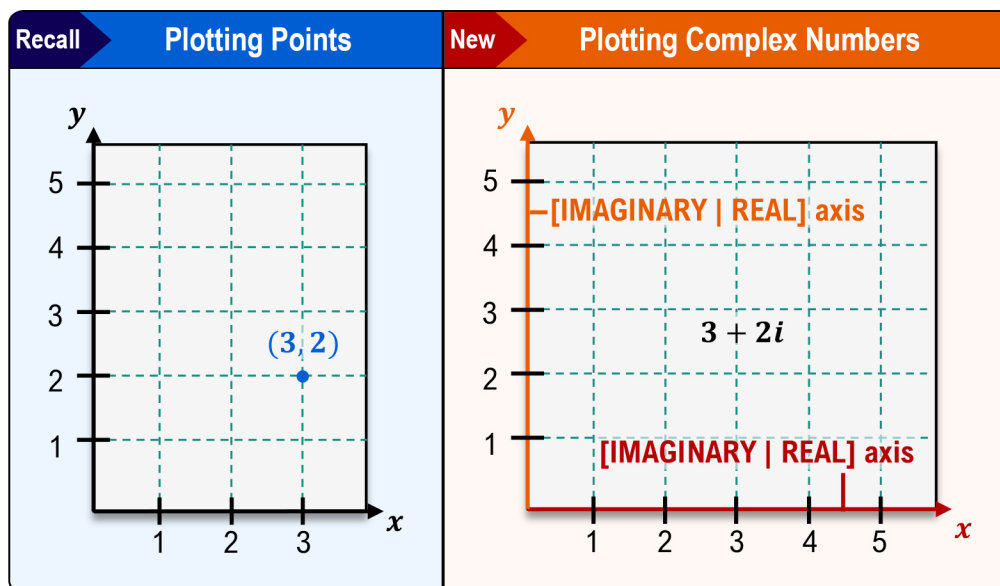


TOPIC: PLOTTING COMPLEX NUMBERS

How To Plot Complex Numbers

◆ Recall: The **xy – plane** has *two* axes w/ real numbers. The **complex plane** has *one* real axis & one _____ axis.

- Plot the complex number, **Recall** $x + yi$ just as you would for a regular ordered pair (x, y) .



EXAMPLE

Plot the following complex numbers.

(A) $2 - 4i$

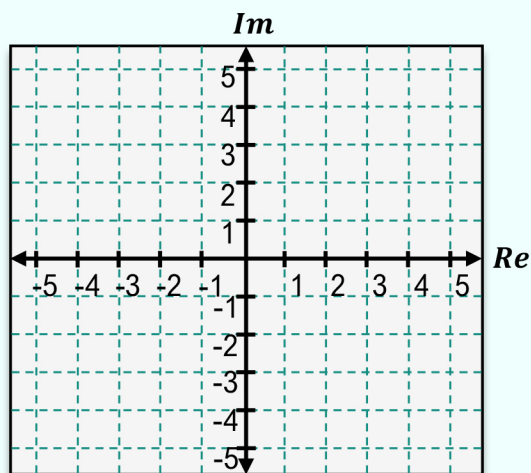
Real part: _____

Imaginary part: _____

(B) $3i$

Real part: _____

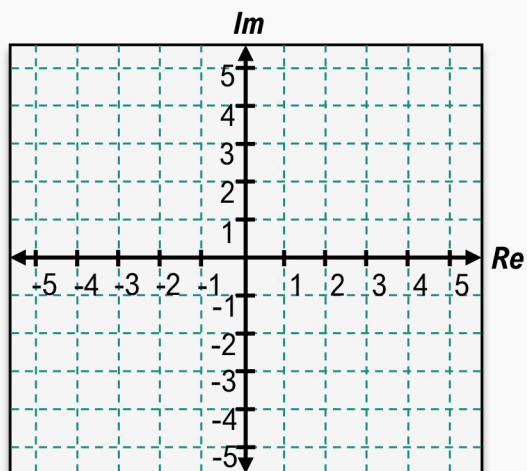
Imaginary part: _____



TOPIC: PLOTTING COMPLEX NUMBERS

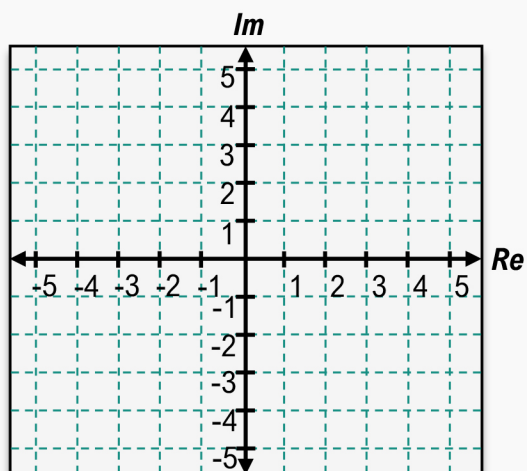
PRACTICE

Plot the complex number $z = 2 - 4i$ on the graph below.



PRACTICE

Plot the complex number $z = -i$ on the graph below.



TOPIC: PLOTTING COMPLEX NUMBERS

PRACTICE

Plot the complex number $z = 5$ on the graph below.

