Name _____ Date _____

Graphing Complex Numbers - Guided Lesson Explanation

Explanation#1

The x-axis (real axis) with real numbers and the y-axis (imaginary axis) with imaginary numbers. (3, 8)

3 + 8i

Real + Imaginary

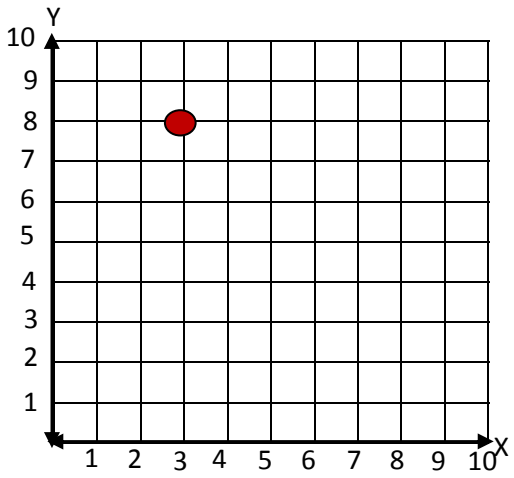
3 = Real

8 = Imaginary

x = real

y = imaginary

(3, 8)



The complex number is represented by the point or by the vector from the origin to the point.

Explanation#2

The x-axis (real axis) with real numbers and the y-axis (imaginary axis) with imaginary numbers. (-5, 2)

-5 + 2i

Real + Imaginary

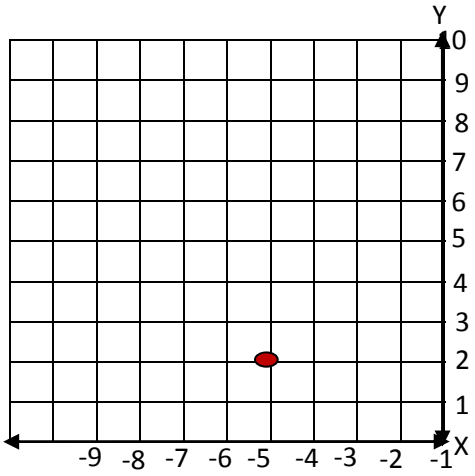
-5 = Real

2 = Imaginary

x = real

y = imaginary

(-5, 2)



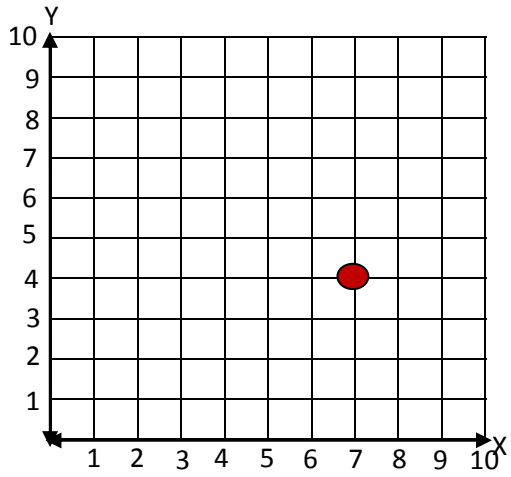
Name _____ Date _____

The complex number is represented by the point, or by the vector from the origin to the point.

Explanation#3

The x-axis (real axis) with real numbers and the y-axis (imaginary axis) with imaginary numbers. (7, 4)

7 + 4i
Real + Imaginary
7 = Real
4 = Imaginary
x = real
y = imaginary
(7, 4)



The complex number is represented by the point, or by the vector from the origin to the point.