## Unit 3 Lesson 11: Introducing the Number

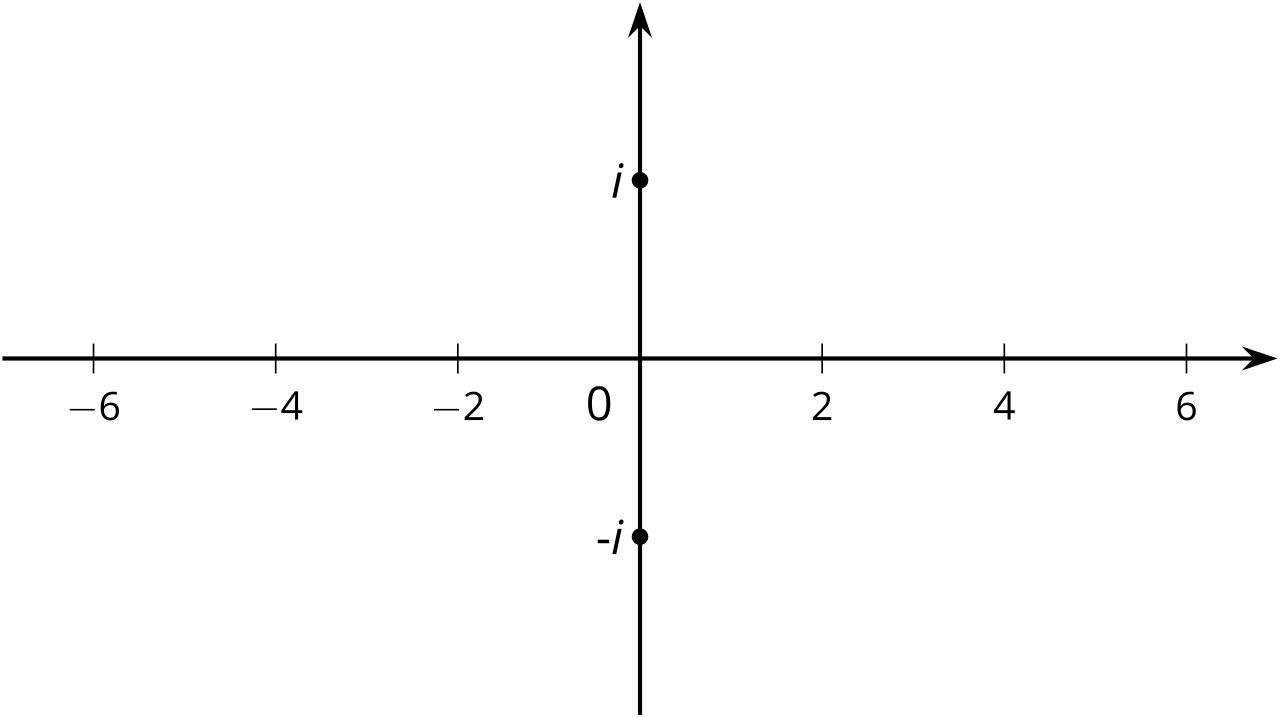
### 1 Math Talk: Squared (Warm up)

#### Student Task Statement

Find the value of each expression mentally.

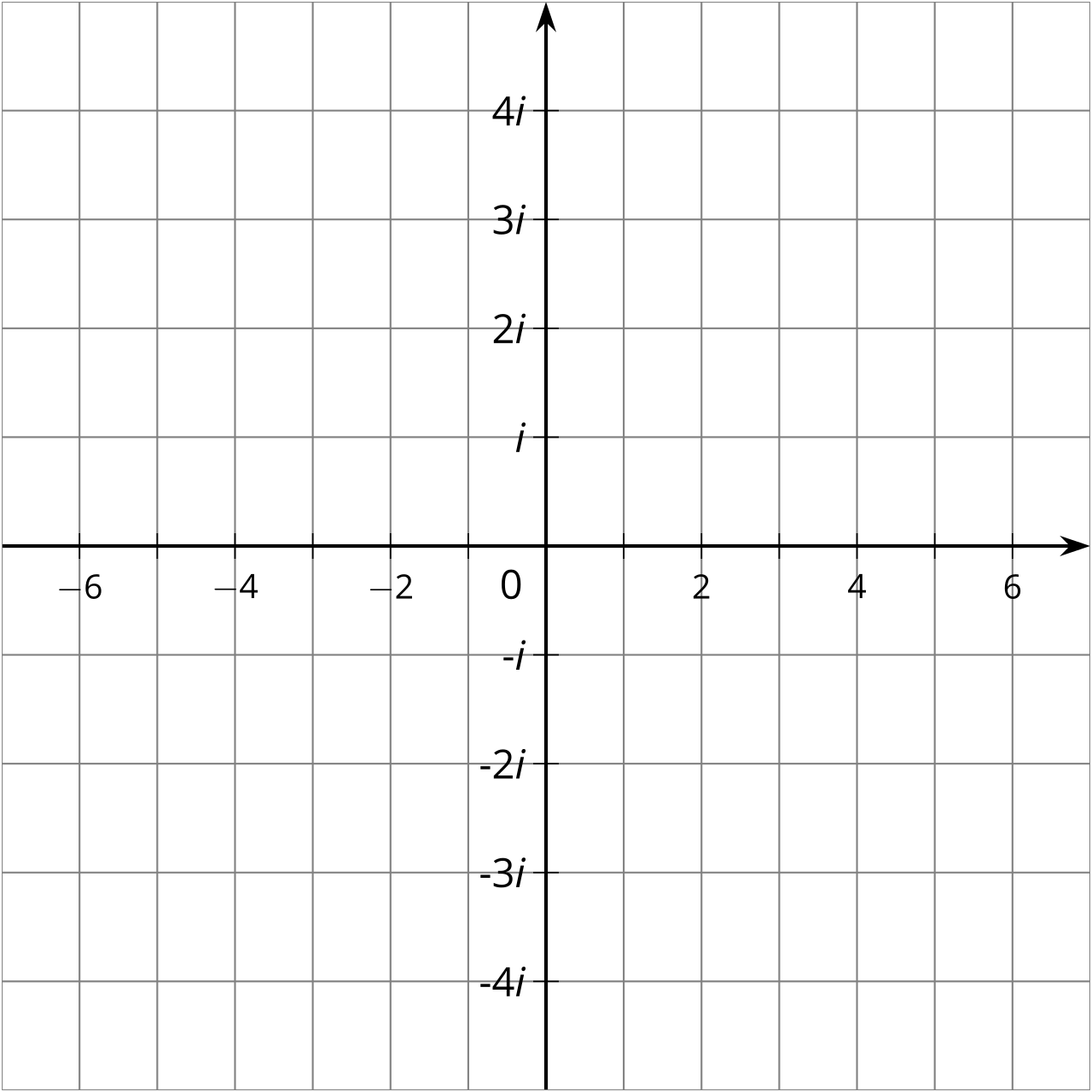
### 2 It is

#### Images for Launch



#### Student Task Statement

Find the solutions to these equations, then plot the solutions to each equation on the imaginary or real number line.



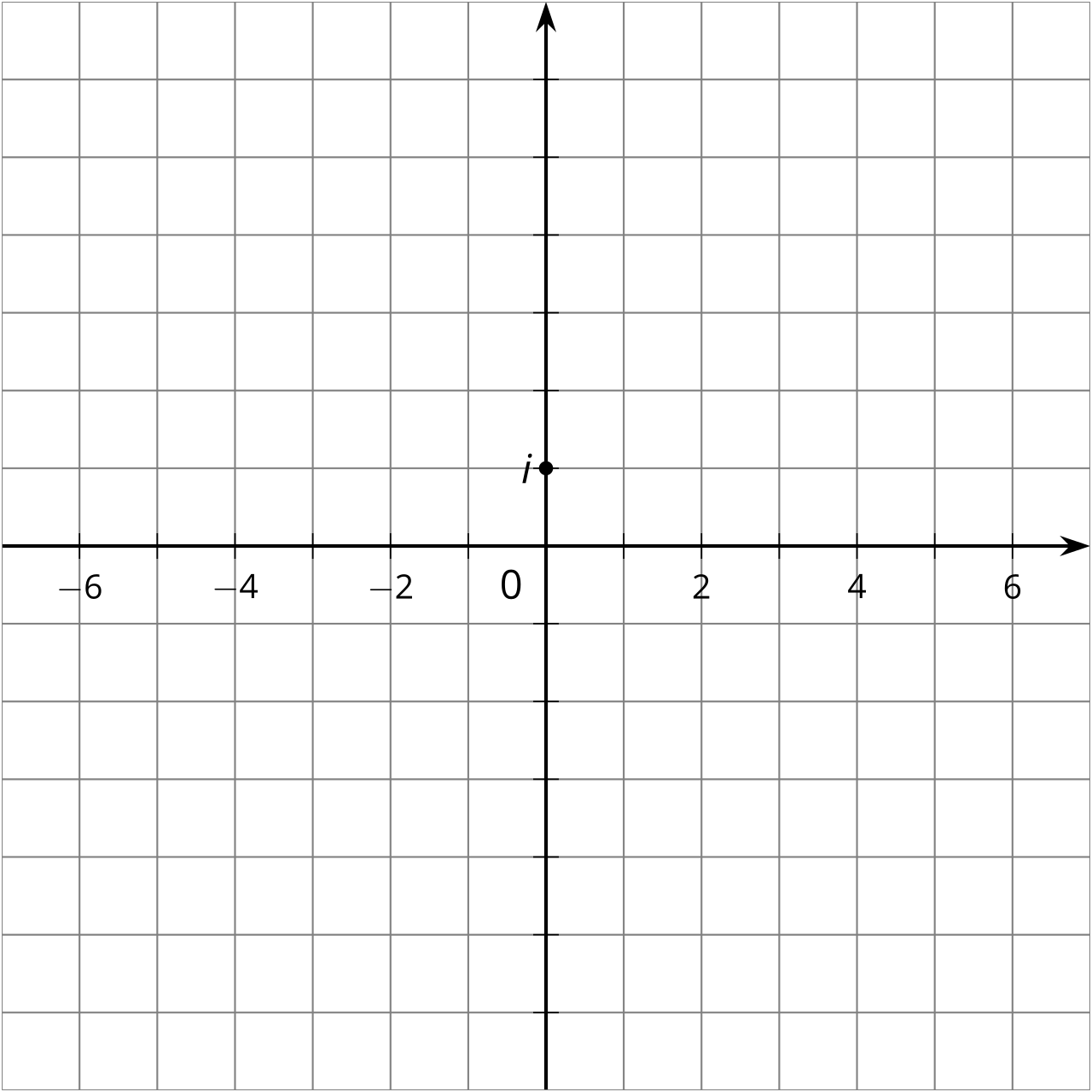
### 3 The ’s Have It

#### Student Task Statement

Write these imaginary numbers using the number .

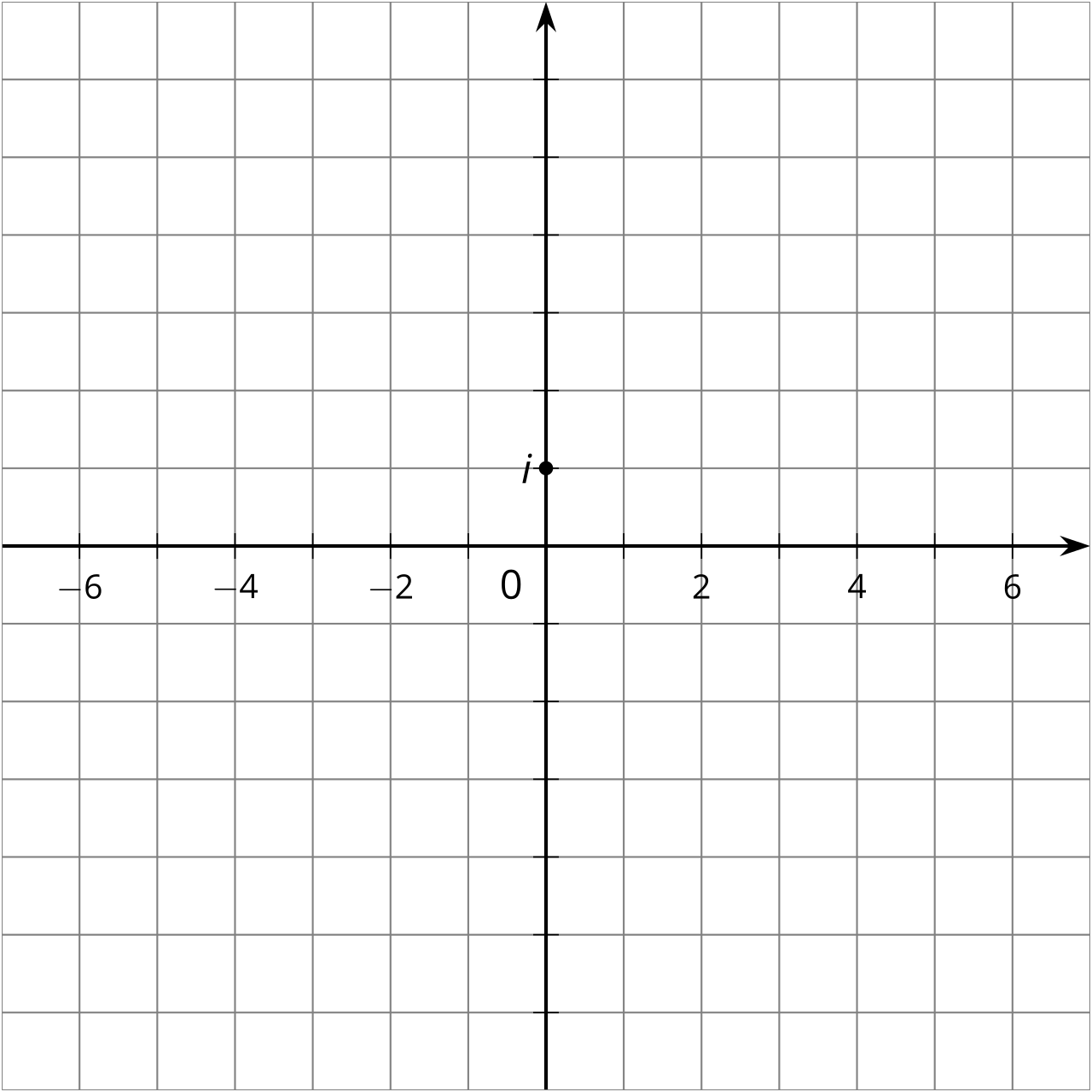
### 4 Complex Numbers

#### Images for Launch

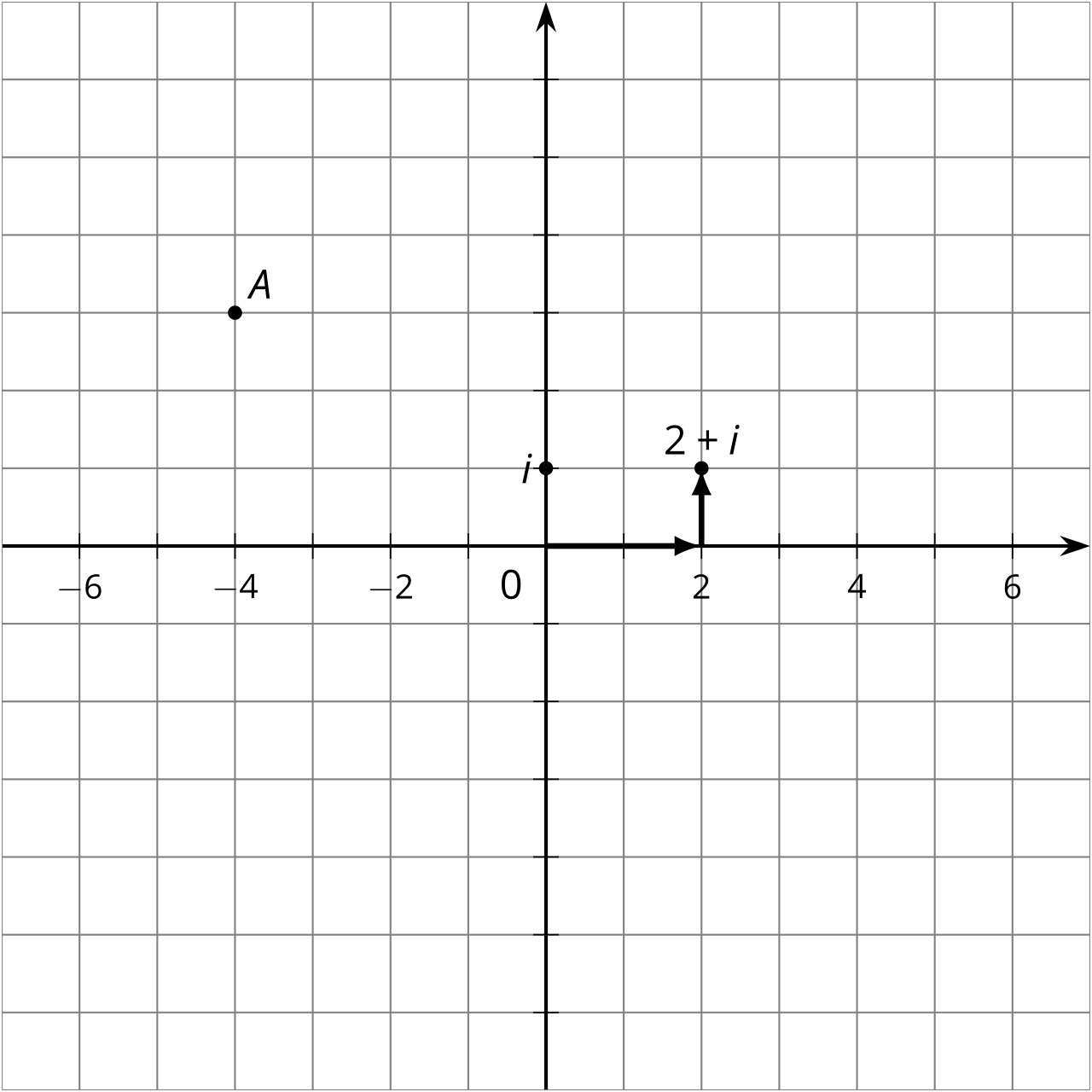


#### Student Task Statement

1. Label at least 8 different imaginary numbers on the imaginary number line.

* 

1. When we add a real number and an imaginary number, we get a **complex number**. The diagram shows where is in the complex number plane. What complex number is represented by point ?

* 

1. Plot these complex numbers in the complex number plane and label them.



© CC BY 2019 by Illustrative Mathematics®