Unit 1 Part 2: Lesson 1 Roots

Find $-\sqrt{2.56}$.

$2.56 = 1.6^2$

So, $-\sqrt{2.56} = -1.6$.

A group of 169 students needs to be seated in a square formation for a yearbook photo. Solve the equation $169 = s^2$ to find how many students should be in each row.

$169 = s^2$	Write the equation.
$\pm\sqrt{169} = s^2$	Take the square root of each side.
$\pm 13 = s$	Definition of square root.

The answer has to be +13 students because there cannot be a negative number of students.

Glencoe Math, Course 3