

## Quiz: HSA.REI.B.4b

1. What are the solutions to the equation  $x^2 = -1,024$ ?
  - A.  $-32, 32$
  - B.  $-32, 32i$
  - C.  $-32i, 32$
  - D.  $-32i, 32i$
2. Which of the following best represents the solutions to the equation  $5x^2 + 2 = 3x^2 + 19$ ?
  - A.  $-8.50, 8.50$
  - B.  $-4.12, 4.12$
  - C.  $-2.92, 2.92$
  - D.  $-2.06, 2.06$
3. Allison and Matt made the same 150-mile trip. Both drove at constant speed, but Matt left 15 minutes after Allison, driving 5 miles per hour faster than she did. They arrived at their destination at the same time. How fast was Allison going?
  - A. 50.0 miles per hour
  - B. 52.3 miles per hour
  - C. 57.3 miles per hour
  - D. 60.0 miles per hour

