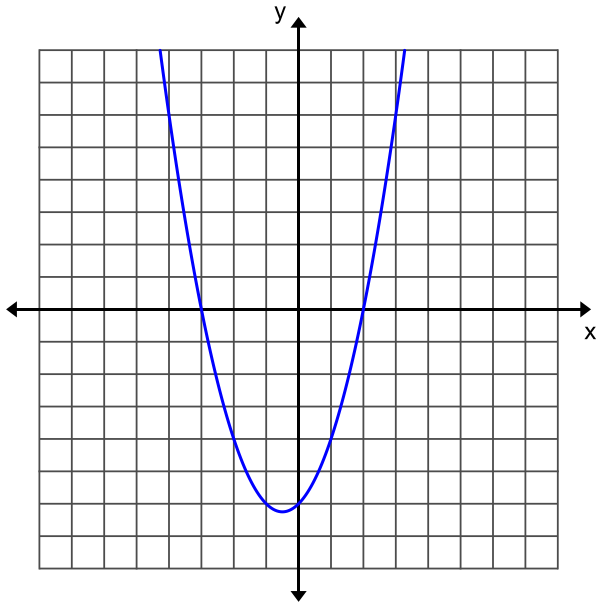


Describe the nature of the roots of the following graphs.

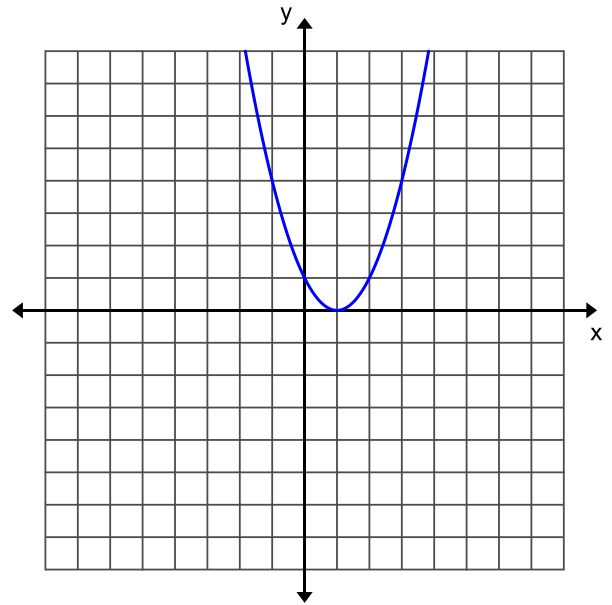
- Real, rational, unequal
- Real, irrational, unequal

- Real, rational, equal
- Imaginary

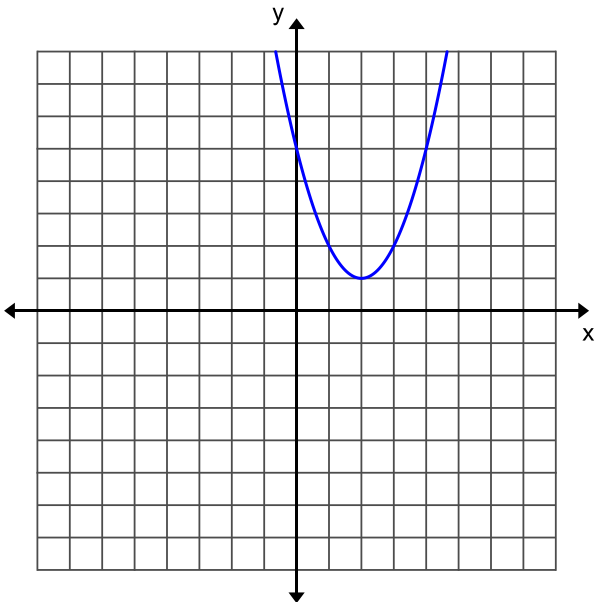
1.)



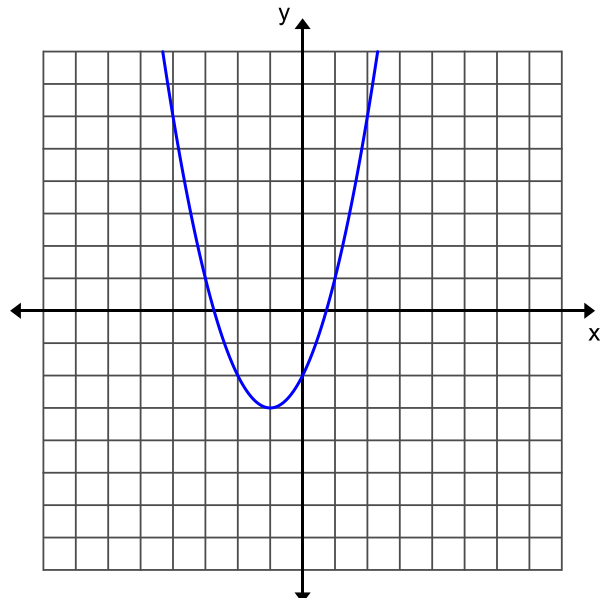
2.)



3.)



4.)



5.) The roots of $2x^2 - 5 = -x$ are

- (a) imaginary (b) real, rational, and equal
(c) real, rational, and unequal (d) real, irrational, and unequal

6.) The roots of the equation $3x^2 + x = 14$ are

- (a) imaginary (b) real, rational, and equal
(c) real, rational, and unequal (d) real, irrational, and unequal

7.) The roots of the equation $x^2 - 10x + 25 = 0$ are

- (a) imaginary (b) real, rational, and equal
(c) real, rational, and unequal (d) real, irrational, and unequal

8.) The roots of the equation $x^2 - 4x + 7 = 0$ are

- (a) imaginary (b) real, rational, and equal
(c) real, rational, and unequal (d) real, irrational, and unequal