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