

Xavier University of Louisiana

Study Guide for the Xavier Mathematics Placement Test

9. Solving quadratic equations by factoring and the quadratic formula, complex solutions

Practice Problems

Solve for x :

1 $x^2 - 49 = 0$

2 $x^2 = 7x - 12$

4 $x^2 + 9x + 1 = 0$

5 $x^2 + 7x + 3 = 0$

6 Rewrite the complex number $\frac{4-i}{3i}$ in the form $a + bi$

7 Find the imaginary part of the complex number $-3 - 5i$