

Quiz 112

Find the discriminant and state the number of solutions.

1. $x^2 - 6x + 9 = 0$

2. $x^2 - 5x + 7 = 0$

3. $2x^2 + 5x - 2 = 0$

Solve using any method. Leave your answers as improper fractions or radicals in simplest form, if applicable.

4. $x^2 - 8x + 5 = 0$

5. $2x^2 - 7x - 4 = 0$