

Solving for x worksheet

Solve for x using factoring:

1. $x^2 + 10x + 9 = 0$

2. $3x^2 = 10x - 3$

3. $10x^2 - 5 = -2x^2 + 12x + 4$

4. $f(x) = 4x^2 - 9x + 2$

Solve for x using any method:

5. $g(x) = (x + 4)^2 - 4$

6. $y = 2x^2 - x - 5$

7. $0 = 3x^2 - 7x + 1$

8. $f(x) = 2(x + 1)^2 - 10$

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

10. Look up what the discriminant of the quadratic formula is and try to come up the 3 rules that involve the discriminant. We will discuss them in class when we get back from break! Hint look at pg. 414 #14

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