

Chapter 2 Review

Solve by factoring or Quadratic Formula.

① $x^2 - 8x + 15 = 0$

② $3x^2 + x = 4$

③ $x^2 - 4x + 1 = 0$

④ $2x^2 + 4x = -1$

Solve the following

⑤ $|2x + 3| = 9$

⑥ $|2x + 3| = 4x - 1$

⑦ $\sqrt{x-7} = 4$

⑧ $\sqrt{x^2 - x - 1} = 1$

⑨ $\frac{x^2 - 2x + 1}{x-2} = 0$

Solve the Inequality & put answer in interval notation.

⑩ $6x + 3 \leq x - 5$

⑪ $2 < 3x - 4 < 8$

⑫ $x^2 - 7x + 10 \leq 0$

⑬ $\frac{3x+1}{2x-4} > 0$

Write without absolute value signs

⑭ $|7 - 4a| =$

⑮ $|4a - 6| =$