QUADRATIC FORMULA

What is the quadratic formula?

Solve each equation using the quadratic formula. Leave in radical form.

1. $x^2 + 5x + 3 = 0$ a = _____; b = _____; c = _____

2. $2x^2 - 7x + 1 = 0$ a = _____; b = _____; c = _____

3. $x^2 - x = 1$ a = _____; b = _____; c = _____

4. $x^2 - 6x - 24 = 0$ a = _____; b = _____; c = _____

5. $x^2 - x = 32$ a = _____; b = _____; c = _____

REVIEW. Show all work.

6. What is the equation of the line that has an undefined slope and passes through the point (4, -1)?

7. Find the equation in slope-intercept form for the line that is parallel to y = -4x + 3 and passes through the point (-2, 3).