

Lesson – Students Cross-number Puzzle

Finding the zeros using the quadratic formula

Name: _____

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

1			2		
		3			4
	5			6	
7			8		
		9			10
	11			12	

ACROSS	DOWN
1. $x^2 + 8x + 7 = 0$	1. $2x^2 + 5x + 3 = 0$
2. $x^2 - 5x - 12 = 0$	2. $x^2 + 8x + 16 = 0$
3. $x^2 + 4x - 12 = 0$	3. $x^2 - 4 = 0$
5. $7x^2 - 14x - 56 = 0$	4. $5x^2 + 9x + 4 = 0$
6. $2x^2 - 8x - 10 = 0$	5. $x^2 - 2x - 8 = 0$
7. $2x^2 = -6 + 8x$	6. $x^2 - 4x - 5 = 0$
8. $x^2 - 8x - 48 = 0$	7. $3x^2 + 18x = 21$
9. $x^2 + 4x + 3 = 0$	8. $x^2 - 8x - 36 = 0$
11. $x^2 - 2x - 35 = 0$	9. $2x^2 + 12x + 10 = 0$
12. $2x^2 - 3x - 20 = 0$	10. $x^2 - 6x + 3 = -5$

DOWN	ACROSS
10. 2, 4	11. 7, -5
6. 5, 12	12. $\frac{-5}{2}, 4$
7. 1, -7	7. 1, 3
8. -4, -3	8. -4, 12
9. -1, -5	9. -1, -3
4. $\frac{5}{-4}, -1$	5. 4, -2
5. 4, 3	3. 2, -2
	2. -2, -6
	1. -1, $\frac{2}{-3}$

ANSWERS:

The answers are to the left and are flipped upside down. Do not look at the answers until you have completed the puzzle.