

Lesson – Students Cross-number Puzzle

Solving with variables on both sides

Name: _____

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

ACROSS	DOWN
1. $5x + 2 = 2x + 14$	1. $x - 21 = -x + 21$
2. $6x - 3 = 2x + 9$	2. $2x - 5 = -x + 10$
3. $3(x - 5) = 2(x + 5)$	3. $2(x - 4) = -2x + 104$
5. $2x - (5 - x) = 13 + 2x$	4. $9x - 22 = 3x + 44$
6. $(x + 4) - 3x = x + 1$	5. $3x + 16 = -x + 64$
7. $5x + 3 = 4x + 9$	6. $11 + 7x = -5 + 3x$
8. $7x + 11 = 3x - 5$	7. $-2 + 6x = 2x + 6$
9. $3x + 6 = 5(x + 4)$	8. $2(5x - 1) = 3x + 33$
11. $(x - 2) = \frac{1}{2}x + 6$	9. $-\frac{2}{4}x + 2 = -\frac{1}{4}x - 2$
12. $\frac{1}{5}x + 8 = \frac{2}{5}x + 4$	10. $2x - 10 = -2x + 30$

		5. 16			
	9. -16	4. 11		9. -15	5. 18
	8. 05	3. 28		8. -04	3. 25
	7. 02	2. 05	12. 20	7. 06	2. 03
	6. -04	1. 21	11. 16	6. 01	1. 22
	10. 10				
	DOWN		ACROSS		

ANSWERS:

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