

Solve each system by elimination.

1) $-x + \frac{4}{5}y = 3$

$0 = -14y - 14x - 42$

2) $0 = 32x - 24y - 46$
 $-12x + 9y + 24 = 0$

3) $-19 + 5x = -4y$
 $-10 + 8x + 3y = 0$

4) $0 = -6x - 4y - 12$
 $0 = -16 - 8x + 5y$

5) $-7y = 7 - 6x$
 $0 = -4x + 7 + 5y$

6) $9y + 6x = -3$
 $-2y - 7x + 22 = 0$

7) $9x = -6 + 5y$
 $4 = -5x + 3y$

8) $-12 - 24x = -36y$
 $5 = -10x + 15y$

Solve each system by substitution.

9) $y = 0$
 $7x - y = -21$

10) $3x + 7y = -2$
 $-7x - 5y = 16$

11) $-2x - 5y = -12$
 $6x + 5y = -4$

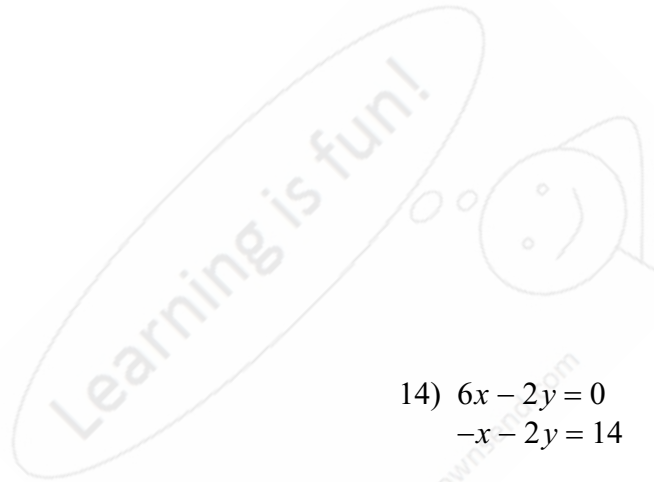
12) $2x - 7y = -8$
 $y = 0$

13) $y = -7$
 $-6x + 6y = 0$

14) $6x - 2y = 0$
 $-x - 2y = 14$

15) $-2x - 2y = -10$
 $-8x + 2y = -10$

16) $-7x - y = 5$
 $-2x + 4y = 10$



Answers to

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|---------------------------------|----------------|----------------|----------------|
| 1) $(-3, 0)$ | 2) No solution | 3) $(-1, 6)$ | 4) $(-2, 0)$ |
| 5) $(-7, -7)$ | 6) $(4, -3)$ | 7) $(1, 3)$ | |
| 8) Infinite number of solutions | 9) $(-3, 0)$ | 10) $(-3, 1)$ | |
| 11) $(-4, 4)$ | 12) $(-4, 0)$ | 13) $(-7, -7)$ | 14) $(-2, -6)$ |
| 15) $(2, 3)$ | 16) $(-1, 2)$ | | |

