

MATH [0372] – [SYSTEMS OF LINEAR EQUATIONS]

Systems of Linear Equations

1. $4x - 2y = -2$
 $y = x + 3$

2. $5x - 3y = -4$
 $x + 2y = 7$

3. $6x + 3y = -1$
 $9x + 5y = 1$

4. $4x + 5y = -3$
 $-8x - 10y = 3$

5. $3x - 2y = 1$
 $-6x + 4y = -2$

6. $7x - 6y = 13$
 $6x - 5y = 11$

7. $\frac{1}{4}x - \frac{1}{6}y = -2$
 $-\frac{1}{6}x + \frac{1}{5}y = 4$

8. $y = 5x - 2$
 $y = -2x + 5$

9. $\frac{2}{5}x - \frac{2}{3}y = 0$
 $y = \frac{3}{5}x$

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1. $x = 2, y = 5$	2. $x = 1, y = 3$	3. $x = -\frac{8}{3}, y = 5$
4. No solution	5. Infinite number of solutions	6. $x = 1, y = -1$
7. $x = 12, y = 30$	8. $x = 1, y = 3$	9. Infinite number of solutions

