

ACTIVITY 1 Systems of linear equations of 2x2

Cedam Bilingual School

Ninth Grade

Teacher Danilo Mojica

Solve the following systems of equations, by the method you want to apply.

$$a) \begin{cases} 3(x - 2y + 1) = -3y \\ x + 5y = 2x + 3y + 3 \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$b) \begin{cases} 4x - y = 3(x - 3 + y) \\ 3x + 5y = -3x + 2y \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$c) \begin{cases} 3(x - y) = 2x + 1 \\ 4x - 15y = -2x \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$d) \begin{cases} x + 3y = x - 6 \\ x - 1 = 2y + 2x \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$e) \begin{cases} 4x + y = 3(4 + x) \\ 2(2x - 7) = y + 3x \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$f) \begin{cases} \frac{x}{3} - \frac{y}{4} \\ 2x + 3y = 9 \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$g) \begin{cases} \frac{x}{2} + \frac{y}{3} = 3 \\ 5x + 2y = 4x + 10 \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$h) \begin{cases} \frac{x + 2y}{3} = 3 \\ 2x + 5y - 8 = 4(y + 1) \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$i) \begin{cases} \frac{x}{2} - \frac{x + y}{6} = \frac{11}{6} \\ \frac{2x - 3y}{5} - \frac{1}{10} = \frac{33}{10} \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

$$j) \begin{cases} 2x + 4y = 7 \\ \frac{x}{3} - \frac{2x - 5y}{6} = \frac{5}{4} \end{cases}$$

$$x = \boxed{} \quad y = \boxed{}$$

