

Systems of Linear Equations I

Marika has asked you to help her understand how to solve systems of equations. Solve each system of equations below using a different strategy. Then explain to Marika why you chose that strategy for that system. Which are best solved by substitution? Which might be easily graphed? Which could be solved by elimination?

1. $y = x - 1$

$$3x - 4y = 8$$

2. $3x + 2y = -10$

$$2x + 3y = 0$$

3. $x + y = -10$

$$.5x + 1.5y = 5$$

4. $3x - 2y = 6$

$$-2x + 3y = 0$$

