

$$e) 3x - 2y = 1$$

$$3(-1) - 2(-2) = -3 + 4 = 1$$

$$2x - 3y = 4$$

$$2(-1) - 3(-2) = -2 + 6 = 4$$

$$4(3x - 2y) - (2x - 3y) = 4 - 4$$

$$3x - 2(4) = 1$$

$$9(4+1) - 2y = 4$$

$$x + y = -3$$

$$3x = -3$$

$$7y + 3 - 2y = 4$$

$$x = -3 - y$$

$$x = -1$$

$$y = 2$$

$$y = -3 - x$$

$$* 3(-3 - y) - 2y = 1$$

$$2(-3) - 2(-2) = -4$$

$$3(-1) - 2(-2) = 1$$

$$3(-1) - 2(-2) = 1$$

$$-9 - 3y - 2y = 1$$

$$2x + 6 = 4$$

$$-9 - 18 + 4 = -14$$

$$-6 - (-4) = -2$$

$$-5y = 1 + 9$$

$$2x = 4 - 6$$

$$(3x - 2y) + (2x - 3y) = 5$$

$$-2 + 1 = -1$$

$$-5y = 10$$

$$2x = -2$$

$$5x - 5y = 5$$

$$-2 + 1 = -1$$

$$y = -2$$

$$x = -1$$

$$x - y = 1$$

$$-2 + 1 = -1$$

$$y = -2$$

$$x = -1$$

$$x - y = 1$$

$$-2 + 1 = -1$$

$$2x - 2y = 1$$

$$x = -1$$

$$x - y = 1$$

$$-2 + 1 = -1$$

$$3(1 + y) - (2(-1 - x)) = 1$$

$$x = -1$$

$$3x - 2(-1 + x) = 1$$

$$3x - 2x + 2 = 1$$

$$(3 + 2y) - (-2 + 2x) = 1$$

$$x = -1$$

$$x = 1 - 2$$

$$x = -1$$

$$3 + 2 + 3y + 2x = 1$$

$$x = -1$$

$$x = -1$$

$$x = -1$$

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

$$x = -1$$

$$(3x - 2y) + (2x - 3y) = 1 + 4$$

$$5x - 5y = 5$$

$$3x - 2y = 1 \quad 2x - 3y = 4$$

$$x = -1$$

$$5x - 5y = 5$$

$$x = 1 + y$$

$$\frac{5x - 5y = 5}{5} \quad x - y = 1$$

$$x = 1 + y$$

$$x = 1 + y$$

$$y = 1 + x$$

$$(2x - 3y) - (3x - 2y) = 4 - 1$$

$$x = 1 + y$$

$$3x - 2(-1 + x) = 1$$

$$3x - 2x + 2 = 1$$

$$-x - y = 3$$

$$x = 1 + y$$

$$3x - 2x = 1 - 2 \quad x = -1$$

$$x = -1$$

$$-3 - 2y = 1 \quad -2y = 4$$

$$y = -2$$

$$3(-1) - 2(y) = 1$$

$$3(-1) - 2(-2) = -3 + 4 = 1$$

$$-2y = 4 \quad y = \frac{4}{-2} = -2$$

$$y = -2$$

$$3(-1) - 2(-2) = -3 + 4 = 1$$

$$3(-1) - 2(-2) = -3 + 4 = 1$$

$$f) 2x - 3y = 9$$

$$5x + 2y = 13$$

$$(2x - 3y) - (5x + 2y) = 9 - 13$$

$$(5x + 2y) - (2x - 3y) = 13 - 9$$

$$-3x - 5y = -4$$

$$3x + 5y = 4$$

$$(5x + 2y) + (2x - 3y) = 13 + 9$$

$$(2x) - 3(-22 - 7x) = 9$$

$$(5x + 2y) + (2x - 3y) = 13 + 9$$

$$2x + 66 + 21x = 9$$

$$7x - y = 22$$

$$23x = -57 \quad x = -\frac{57}{23}$$

$$x = \frac{4 - 5y}{3} \quad y = \frac{4 - 3x}{5}$$

$$5(\frac{4 - 5y}{3}) + 2y = 13$$

$$\frac{20 - 25y}{3} + 2y = 13$$

$$\frac{20 - 25y + 6y}{3} = 13$$

$$y = \frac{10}{3}(\frac{19}{3}) = \frac{190}{9}$$

2020/10/14