

Simultaneous Equations Worksheet

Ex 1.

$$3x + y = 7$$

$$2x - y = 3$$

$$x + y = 12$$

$$x - y = 2$$

$$8x + 3y = 8$$

$$5x - 3y = 5$$

$$11x + 3y = 5$$

$$7x - 3y = 13$$

$$8x + 6y = 2$$

$$2x - 6y = 3$$

$$5x + 2y = 9$$

$$2x + 2y = 6$$

$$4x + 3y = 11$$

$$4x + 5y = 13$$

$$10x + y = 34$$

$$2x + y = 10$$

$$x + 3y = 10$$

$$x - y = -2$$

$$5x - 3y = -2$$

$$-5x + y = 4$$

$$4x - 3y = 0$$

$$-4x + y = -8$$

$$8x + 7y = 7$$

$$10x - 7y = -7$$

Ex 2.

$$3x + 2y = 12$$

$$2x + y = 7$$

$$3x + 2y = 3$$

$$2x + y = 23$$

$$6x - y = -4$$

$$3x - 2y = 1$$

$$5x - y = 17$$

$$2x + 3y = 0$$

$$4x + 2y = 8$$

$$x + 3y = 2$$

$$5x - 4y = 7$$

$$7x - 2y = 17$$

$$5x + 3y = 24$$

$$x + 5y = -4$$

$$3x + 2y = 21$$

$$2x - y = 7$$

$$8x + 3y = 27$$

$$2x - 5y = 1$$

$$8x + 3y = 27$$

$$2x - 5y = 1$$

$$9x + 2y = -9$$

$$18x - 5y = -18$$

$$x + 2y = 0$$

$$5x - 5y = 0$$

Ex 3.

$$3x + 2y = 13$$

$$2x + 3y = 7$$

$$6x - 3y = 3$$

$$5x - 2y = 4$$

$$7x - 3y = 5$$

$$5y - 2x = 11$$

$$2x + 3y = 5$$

$$3x - 2y = 1$$

$$11x - 3y = 8$$

$$9x + 4y = 13$$

$$4x - 2y = 0$$

$$5x + 3y = -11$$

$$5x - 3y = 1$$

$$4x + 2y = 14$$

$$2x + 3y = -8$$

$$3x + 2y = -12$$

Mixed Exercise

$$4x - y = 5$$

$$2x + y = -2$$

$$4x - 3y = 5$$

$$2x + 3y = 3$$

$$3y - 8x = 24$$

$$3y + 2x = 9$$

$$2x - 3y = 1$$

$$11y - 7x = 5$$

$$5x - 4 = 4y$$

$$2y + 2 = x$$

$$3x + 8y = 24$$

$$x + y = 3$$

$$y = 13 - 4x$$

$$3x + 2y = 16$$

$$y + 1 = 2x$$

$$y = x + 2$$