Simultaneous Equations (same γ coefficient)

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Solve:

Solve:

(a)
$$2x + y = 10$$

(b)
$$4x + y = 9$$

$$x + y = 7$$

$$x + y = 3$$

(c)
$$3x + 2y = 22$$

(d)
$$5x + 2y = 17$$

$$x + 2y = 10$$

$$3x + 2y = 11$$

Solve:

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Solve:

(a)
$$2x + y = 14$$

(b)
$$3x - y = 1$$

$$x - y = 1$$

$$x + y = 7$$

(c)
$$3x + 2y = 25$$
 (d) $x - 3y = 2$

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

$$x - 2y = 3$$

$$2x + 3y = 22$$

(a)
$$2x + y = 14$$

(a) 2x + y = 10

x + y = 7

(c) 3x + 2y = 22

x + 2y = 10

(b)
$$3x - y = 1$$

(b) 4x + y = 9

x + y = 3

(d) 5x + 2y = 17

3x + 2y = 11

$$x - y = 1$$

$$x + y = 7$$

(c)
$$3x + 2y = 25$$

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

(b) 6x - y = 9

(d) x - 3y = 4

5x - y = 7

4x + 3y = 1

$$x - 2y = 3$$

(a) 5x + y = 5

3x + y = 7

(c) 4x + 2y = 22

3x - 2y = 6

$$2x + 3y = 22$$

Solve:

(a)
$$5x + y = 5$$

(b)
$$6x - y = 9$$

$$3x + y = 7$$

$$5x - y = 7$$

(c)
$$4x + 2y = 22$$

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

$$3x - 2y = 6$$

$$4x + 3y = 1$$

(e)
$$x + y = 0$$

(f)
$$5x + 2y = 13$$

$$x - y = 6$$

$$x + 2y = 9$$

(g)
$$3x + 2y = 16$$

(h)
$$3x - y = 9$$

$$x - 2y = 4$$

$$5x + y = 11$$

(i)
$$4x + y = 8$$

(j)
$$5x - 2y = 7$$

$$2x + y = 7$$

$$4x + 2y = 11$$

2x + y = 7David buys 5 biscuits and 3 cakes for

(f)
$$5x + 2y = 13$$

$$x - y = 6$$

(e) x + y = 0

$$x + 2v = 9$$

(g)
$$3x + 2y = 16$$
 (h) $3x - y = 9$

(h)
$$3x - y = 9$$

$$x - 2y = 4$$

$$5x + y = 11$$

$$(i) 4x + y = 8$$

(j)
$$5x - 2y = 7$$

4x + 2y = 11

David buys 5 biscuits and 3 cakes for £3.95. Samira buys 8 biscuits and 3 cakes for £5.15. Find the cost of one biscuit and the cost of one cake.

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Jim is thinking of two numbers. When he adds them together he gets 20. When he subtracts one from the other he gets 30. What are Jim's two numbers?

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