

Simultaneous Equations *fluency*

ANSWERS

 Solve

1 $x + y = 7$ $x = 5$
 $x - y = 3$ $y = 2$

2 $2x + y = 11$ $x = 4$
 $3x - y = 9$ $y = 3$

3 $x + 3y = 13$ $x = 7$
 $2x - 3y = 8$ $y = 2$

4 $4x + y = 14$ $x = 3$
 $2x - y = 4$ $y = 2$

5 $3x + 2y = 16$ $x = 4$
 $x - 2y = 0$ $y = 2$

6 $x + 5y = 17$ $x = 2$
 $-x + 2y = 4$ $y = 3$

 Solve

7 $2x + y = 9$ $x = 4$
 $x + y = 5$ $y = 1$

8 $3x + 2y = 18$ $x = 4$
 $x + 2y = 10$ $y = 3$

9 $5x + y = 17$ $x = 3$
 $2x + y = 8$ $y = 2$

10 $x + 4y = 11$ $x = -1$
 $x + y = 2$ $y = 3$

11 $4x - y = 10$ $x = 4$
 $2x - y = 2$ $y = 6$

12 $3x + 5y = 4$ $x = 3$
 $3x + 2y = 7$ $y = -1$

 Solve

13 $2x + y = 8$ $x = 3$
 $x + 3y = 9$ $y = 2$

14 $3x + 2y = 12$ $x = 2$
 $x + y = 5$ $y = 3$

15 $x + 2y = 7$ $x = 3$
 $3x - y = 7$ $y = 2$

16 $4x + 3y = 25$ $x = 4$
 $x - y = 1$ $y = 3$

17 $5x - 2y = 4$ $x = 2$
 $x + 4y = 14$ $y = 3$

18 $2x + 5y = 3$ $x = 4$
 $x - 2y = 6$ $y = -1$

 Solve

19 $2x + 3y = 12$ $x = 3$
 $3x + 2y = 13$ $y = 2$

20 $3x + 4y = 10$ $x = 2$
 $2x + 3y = 7$ $y = 1$

21 $5x + 2y = 1$ $x = -1$
 $3x + 5y = 12$ $y = 3$

22 $4x - 3y = 17$ $x = 2$
 $3x + 2y = 0$ $y = -3$

23 $2x - 5y = 1$ $x = 3$
 $3x - 4y = 5$ $y = 1$

24 $7x + 2y = 20$ $x = 2$
 $5x + 3y = 19$ $y = 3$

 Solve

25 $y = 2x + 1$ $x = 2$
 $3x + y = 11$ $y = 5$

26 $x = 3y - 2$ $x = 4$
 $2x + y = 10$ $y = 2$

27 $y = x - 4$ $x = 3$
 $2x + 3y = 3$ $y = -1$

28 $2x = y + 5$ $x = 4$
 $x + y = 7$ $y = 3$

29 $3x + 2y = 2$ $x = 2$
 $2x + 3y = -2$ $y = -2$

30 $y = 3 - 2x$ $x = 1$
 $4x - 3y = 1$ $y = 1$