

Simultaneous Equations

Increasingly
Difficult
Exercises

- | | | | | | |
|----|-------------------------------|----|----------------------------------|----|----------------------------------|
| a) | $a + 2b = 9$
$a + 3b = 11$ | b) | $2x + 5y = 46$
$x + 3y = 27$ | c) | $3m + 2n = 14$
$4m + 5n = 14$ |
| d) | $p + r = 15$
$p - r = 9$ | e) | $3a + 2b = 33$
$5a - 4b = 44$ | f) | $6x - 5y = 20$
$4x + 3y = 7$ |
| g) | $2m + 5n = 19$
$n = m + 2$ | h) | $4p + 3r = 5$
$r = 2p - 5$ | i) | $a - 5b = 6$
$a = 3b + 2$ |
| j) | $x^2 + y^2 = 45$
$x = 2y$ | k) | $x^2 - y^2 = -5$
$y = x - 5$ | l) | $2x^2 + y^2 = 57$
$x + y = 1$ |

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