

Exercises for Linear Equations

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| Exercise 1 | |
| $\frac{1}{4}x + \frac{2}{5}y = -1$ $\frac{5}{6}x - \frac{2}{5}y = 14$ | Solutions are given following the Link to solutions. These solutions are refined by another Link to detailed solutions |
| Exercise 2 | |
| $x + \sqrt{2}y = 1 - \frac{1}{\sqrt{2}}$ $3x + 2y = 2$ | |
| Exercises for self control | |
| Exercise 3 | |
| $2x + 2y = 4$ $4x - 8y = 8$ | |
| Exercise 4 | |
| $2x + 3y = 2$ $4x - 5y = 3$ | |
| Exercise 5 | |
| $\frac{1}{2}x + 2y = \frac{3}{5}$ $4x - 2y = \sqrt{2}$ | |

For passing tests successful it is important to be able to resolve the issues under time restrictions. Therefore it is necessary to dedicate time to exercises with solutions that look sometimes weird, strange, complicated.

The solutions require skills for adding, subtracting, dividing and multiplying fractions, powers, roots and negative numbers.

The first two solutions have been carefully elaborated, following the link detailed solutions. The others should be solved by the reader. They are given for self control.