Solving some simultaneous equations
Practice Assignment • 15 min

← **Back**

🌐 English ⌄

Your grade: 100%

Your latest: **100%** • Your highest: **100%**

To pass you need at least 80%. We keep your highest score.

Next item →

1. In this quiz you'll be reminded of how to solve linear simultaneous equations as a way to practice some basic linear algebra. Some of the ideas presented here will be relevant later in the course.

Solving simultaneous equations is the process of finding the values of the variables (here x and y) that satisfy the system of equations. Let's start with the simplest type of simultaneous equation, where we already know all but one of the variables:

$$3x - y = 2$$

$$x = 4$$

Substitute the value of x into the first equation to find y, then select the correct values of x and y below.

○ $x = 4, y = 14$

○ $x = 4, y = 2$

◉ $x = 4, y = 10$

○ $x = 4, y = -10$

⊘ **Correct**

When you know one of the variables, substituting it into one of the equations is a good way to find the other variable.

1 / 1 point