✓ Congratulations! You passed!

Next Item



1. This quiz is a refresher in solving simultaneous equations, which you should already be familiar with. If you need a reminder on how to do these, feel free to search online for a handy guide!

1/1 point

Solve the system of equations given by:

$$3x + 2y = 7$$

$$2x + 3y = 8$$

$$x=2,y=1$$

$$x=2,y=3$$

$$\bigcirc \quad x=3,y=2$$

Correct

Substitution and elimination is a good method of solving a simple system of linear equations.



2. Solve the system of equations given by:

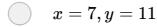
$$9x - 17y = -20$$

1/1 point

$$-13x + 7y = -94$$

Correct

Substitution and elimination is a good method of solving a simple system of linear equations.



$$x = -13, y = 7$$



3. Solve the system of equations given by:

$$5x - 2y = -13$$

1/1 point

$$4x + 5y = -6$$

$$x = -\frac{3}{7}, y = \frac{2}{5}$$

$$x = -\frac{5}{3}, y = \frac{3}{2}$$

$$x = -\frac{7}{3}, y = \frac{2}{3}$$

Correct

Substitution and elimination is a good method of solving a simple system of linear equations.



4. Solve the system of equations given by:

$$5x + 7y = 11$$

1/1 point

$$20x - 18y = 39$$

$$x = \frac{471}{230}, y = \frac{5}{46}$$

Correct

Substitution and elimination is a good method of solving a simple system of linear equations.

$$x = \frac{5}{230}, y = \frac{471}{46}$$

$$x = \frac{5}{46}, y = \frac{471}{230}$$



1/1

5. Solve the system of equations given by:

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

point
$$x+y+z=2$$

$$3x - 2y - z = 3$$

Correct

Substitution and elimination can be extended to more than two variables.

$$x = 1, y = -1, z = -2$$

$$x = -1, y = 2, z = -1$$

