

16.1 The Method of Elimination - Worksheet 1

1

Solve the system of equations using the method of elimination.

$$\begin{cases} x - y = 5 \\ x + y = 1 \end{cases}$$

2

Solve the system of equations using the method of elimination.

$$\begin{cases} 2x - 2y = 8 \\ -2x + 3y = -6 \end{cases}$$

16.2 The Method of Elimination - Worksheet 2

1

Solve the system of equations using the method of elimination.

$$\begin{cases} 3x + 2y = -5 \\ 2x + y = 2 \end{cases}$$

2

Solve the system of equations using the method of elimination.

$$\begin{cases} 4x + 5y = 0 \\ 2x - 3y = 3 \end{cases}$$

16.3 The Method of Elimination - Worksheet 3

1

Solve the system of equations using the method of elimination.

$$\begin{cases} -x + 2y = -6 \\ 3x - 4y = 1 \end{cases}$$

2

Solve the system of equations using the method of elimination.

$$\begin{cases} -3x + 5y = 3 \\ -2x + 3y = -2 \end{cases}$$

16.4 The Method of Elimination - Worksheet 4

1 Attempt to solve the system of equations using the method of elimination. Explain what happened and the conclusion that you can draw from it.

$$\begin{cases} 2x + 4y = 8 \\ -x - 2y = -4 \end{cases}$$

2 Attempt to solve the system of equations using the method of elimination. Explain what happened and the conclusion that you can draw from it.

$$\begin{cases} x - 3y = 2 \\ -3x + 9y = 5 \end{cases}$$

16.5 The Method of Elimination - Worksheet 5

1

Solve the system of equations using the method of elimination.

$$\begin{cases} ax + by = e \\ cx + dy = f \end{cases}$$

2

Use the formula you derived from the previous problem to solve the system of equations. Do you find it easier to use the formula or to use the method of elimination?

$$\begin{cases} -2x + 3y = 5 \\ 3x - 5y = -6 \end{cases}$$