

Math 1513 - College Algebra

Discussion Board Week 13 - Due 2012.04.14

Solve by elimination. Indicate if the system is inconsistent or has an infinite number of solutions. Leave your final answers in fractional form, do NOT use decimals.

1.

$$\begin{aligned}4x - 3y &= 1, \\4x + 2y &= 0\end{aligned}$$

2.

$$\begin{aligned}4x - 3y &= 1, \\4x + 3y &= 0\end{aligned}$$

3.

$$\begin{aligned}4x + 3y &= 0, \\13x + 2y &= 3\end{aligned}$$

4.

$$\begin{aligned}5x + 2y &= -1, \\9x + 5y &= 3\end{aligned}$$

5.

$$\begin{aligned}4x + 3y &= 0, \\9x + 5y &= -1\end{aligned}$$

6.

$$\begin{aligned}6x + 4y &= 12, \\-5x - 3y &= 2\end{aligned}$$

7.

$$\begin{aligned}5x - 8y &= 12, \\-5x - 3y &= 2\end{aligned}$$

8.

$$\begin{aligned}5x - 8y &= 10, \\-5x - 3y &= 2\end{aligned}$$

9.

$$\begin{aligned}-6x - 3y &= 2, \\-x - 11y &= 14\end{aligned}$$

10.

$$\begin{aligned}5x - 8y &= 12, \\-x - 11y &= 13\end{aligned}$$

11.

$$\begin{aligned}12x + 3y &= 3, \\4x + 4y &= -1\end{aligned}$$

12.

$$\begin{aligned}15x + y &= 6, \\3x - 2y &= 3\end{aligned}$$

13.

$$\begin{aligned}15x + y &= 5, \\3x - 2y &= 3\end{aligned}$$

14.

$$\begin{aligned}12x + 3y &= 4, \\4x + 4y &= -1\end{aligned}$$

15.

$$\begin{aligned}12x + 3y &= 4, \\ -16x - 7y &= -3\end{aligned}$$

16.

$$\begin{aligned}12x + 3y &= 5, \\ -16x - 7y &= -3\end{aligned}$$

17.

$$\begin{aligned}2x + 3y &= 5, \\ 4x - 8y &= -1\end{aligned}$$

18.

$$\begin{aligned}2x - 3y &= -5, \\ 4x - 2y &= -1\end{aligned}$$

19.

$$\begin{aligned}2x + 7y &= 3, \\ -4x + 7y &= 0\end{aligned}$$

20.

$$\begin{aligned}2x + 7y &= 3, \\ -4x + 7y &= 1\end{aligned}$$

21.

$$\begin{aligned}2x + 7y &= 3, \\ -2x + 14y &= 0\end{aligned}$$

22.

$$\begin{aligned}-4x + 2y &= 1, \\ -2x - 3y &= 5\end{aligned}$$

23.

$$\begin{aligned}2x + 5y &= 3, \\ -4x + 2y &= 1\end{aligned}$$

24.

$$\begin{aligned}-4x + 2y &= 1, \\ -2x + 8y &= -4\end{aligned}$$

25.

$$\begin{aligned}2x + 5y &= 3, \\ 2x - 7y &= -4\end{aligned}$$