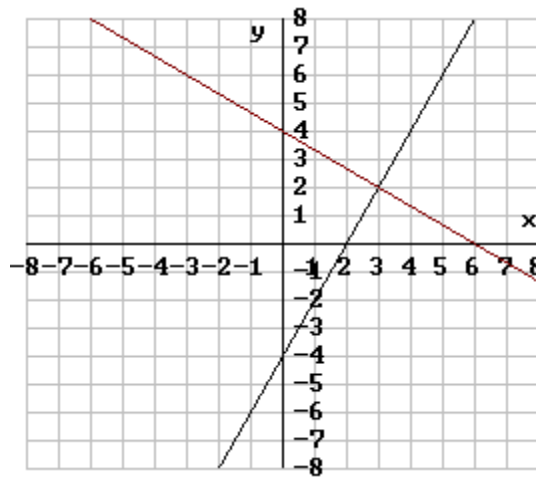


You have 20 minutes to complete this quiz. No calculators allowed. You will not receive credit if you don't follow directions—use the correct method! Please show your work carefully! Good luck!

1. Solve the following system of equations **by graphing**. Write the solution as an ordered pair, if possible.

$$\begin{cases} y = 2x - 4 \\ 2x + 3y = 12 \end{cases}$$

(3, 2)



2. Solve the following system of equations **by substitution**.

$$\begin{cases} x - 2y = 2 \\ 2x + 3y = 11 \end{cases}$$

(4, 1)

3. Solve the following system of equations **by elimination**.

$$\begin{cases} 3x - 2y = 20 \\ 2x + 7y = 5 \end{cases}$$

(6, -1)

4. Solve the following system of equations using any method you choose. Try to choose the most efficient method!

$$\begin{cases} \frac{1}{3}a + \frac{1}{6}b = -\frac{4}{3} \\ -\frac{2}{7}a + \frac{4}{7}b = 4 \end{cases}$$

(-6, 4)

5. Solve the following system of equations using any method you choose. Try to choose the most efficient method!

$$\begin{cases} 9x = 3y + 12 \\ 4 = 3x - y \end{cases}$$

Infinitely-many solutions