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classify the system of equations.

$$\begin{cases} y = -2x - 4 \\ 4x + 2y = 9 \end{cases} \quad m = -2 \quad b = \frac{9}{3} = 4.5$$
Puralle

Without graphing, determine the number of solutions and then

classify the system of equations.

$$\begin{cases}
2x + y = -3 \\
x - 5y = 5
\end{cases} = m = \frac{1}{5}$$

Therefore

One Solution

Consistant

One Solution Independent

$$M = \frac{A}{B} = \frac{-3}{-2}$$
 $= \frac{3}{2}$

Without graphing, determine the number of solutions and then

$$\begin{cases} 3x - 2y = 4 \end{cases} \Rightarrow \frac{3}{2} \quad \text{y-int} \quad -2$$

$$\begin{cases} y = \frac{3}{2}x - 2 \end{cases} \Rightarrow \frac{3}{2} \quad \text{y-int} \quad -2$$

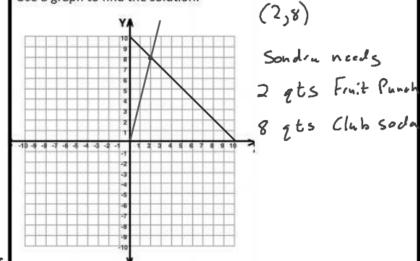
 $M = \frac{A}{B} = \frac{-3}{-2}$ $= \frac{3}{2}$ $= \frac{3}{2}$ Without graphing, determine the inducer of sold and one of

X = fruit punch

$$y = club$$
 soda
 $x+y=10$
 $y=4x$

Sondra is making 10 quarts of punch from juice and club soda. The number of quarts of fruit juice is 4 times the number of quarts of club soda. How many quarts of fruit juice and how many quarts of club soda does Sondra need?

Use a graph to find the solution.



X+>= 18

Alisha is making an 18 ounce coffee beverage that is made from brewed coffee and milk. The number of ounces of brewed coffee is 5 times greater that the number of ounces of milk. How many ounces of milk does Alisha need?

