

Systems of Equations – Reciprocal Method

Solve the following equations.

$$\frac{4}{x} + \frac{3}{y} = 2$$

$$\frac{6}{x} - \frac{3}{y} = 13$$

$$\frac{5}{x} - \frac{6}{y} = -6$$

$$\frac{10}{x} + \frac{3}{y} = 8$$

$$\frac{1}{x} + \frac{2}{y} = 4$$

$$\frac{10}{x} - \frac{8}{y} = 19$$

$$\frac{9}{x} + \frac{10}{y} = 12$$

$$\frac{-6}{x} + \frac{5}{y} = -1$$

$$\frac{3}{x} + \frac{4}{y} = -12$$

$$\frac{-6}{x} + \frac{10}{y} = -21$$

$$\frac{9}{x} - \frac{3}{y} = 13$$

$$\frac{3}{x} - \frac{9}{y} = -1$$

$$\frac{5}{x} - \frac{1}{y} = -8$$

$$\frac{6}{x} + \frac{9}{y} = 4$$

$$\frac{8}{x} - \frac{4}{y} = -7$$

$$\frac{1}{x} - \frac{2}{y} = 1$$

$$\frac{-6}{x} + \frac{8}{y} = 15$$

$$\frac{8}{x} + \frac{4}{y} = -9$$

$$\frac{10}{x} + \frac{9}{y} = 1$$

$$\frac{5}{x} - \frac{6}{y} = 18$$