Name : _____

Systems of Equations

Use the best method to solve each system of equations.

1) $\frac{5}{x} - \frac{6}{y} + \frac{3}{z} = -3$

$\frac{10}{x} - \frac{9}{z} + \frac{4}{y} = -3$

$-\frac{5}{x} - \frac{6}{z} + \frac{4}{y} = 1$

2) $-8bc + 5ac + 3ab = 39abc$

$-2ac = 24abc - 6bc - 7ab$

$4bc - 10abc + 4ab = 2ac$

3) $10 = -\frac{9}{t} - \frac{4}{u} - \frac{3}{v}$

$\frac{3}{t} = -2 - \frac{5}{v} + \frac{4}{u}$

$\frac{1}{t} + \frac{1}{v} = \frac{3}{u} + 17$

5) $\frac{3}{b} + \frac{1}{c} + \frac{2}{d} = -32$

$\frac{4}{c} - \frac{5}{d} = -22 - \frac{2}{b}$

$\frac{9}{b} - \frac{3}{d} - \frac{7}{c} = -38$

$-\frac{\square}{r} = -3 + \frac{\square}{t}$

$-\frac{7}{s} = 45 - \frac{9}{t}$