Name _____ Date _____

Linear Equations

Solve each system of equations using the substitution method.

1. $13x - 3y = 549$ $y = 18x - 675$	2. $y = \frac{7}{2}x + \frac{33}{2}$ $y = -7x + 69$	3. $6x - y = 226$ $5x + y = 203$ Enter answers in text boxes.
4. $7x + 8y = -182$ $y = -x - 23$	5. $x = \frac{1}{3}y - 40$ $13x - 15y = -680$	6. $19x - 14y = -313$ $-447 = -1y + 16x$
7. $y = \frac{1}{2}x + 24$ $\frac{-9}{5} - \frac{1}{5}y = x$	8. $\frac{x - 11y}{11} = 1$ $2 = -12y + 2x$	9. $5x - 8y = 94$ $x - 2y = 18$
10. $y = \frac{2}{5}x + \frac{8}{5}$ $y = \frac{-1}{3}x + \frac{29}{3}$	11. $3x + 7y = -226$ $-10y = 318 + 4x$	12. $11x + 16y = -223$ $y = \frac{2}{9}x + \frac{112}{9}$

Reset Form