

Name \_\_\_\_\_



Date \_\_\_\_\_

## Linear Equations

Solve each system of equations using the elimination method.

1. $5x - 13y = 437$ $2x - 3y = 89$	2. $9x - 4y = 64$ $9x + 2y = 292$	3. $\frac{-377}{4} = \frac{-17}{4}y + \frac{19}{4}x$  $-2x = 185 - 15y$
4. $y = \frac{-1}{2}x + \frac{27}{2}$  $y = \frac{-1}{14}x + \frac{45}{2}$	5. $x = \frac{-1}{16}y - \frac{651}{16}$  $x = -58 - \frac{18}{11}y$	6. $y = -2x + 68$  $y = \frac{8}{5}x - \frac{326}{5}$
7. $x + 2y = 6$ $19x - y = -627$	8. $5x - 14y = -13$ $6x - 5y = 8$	9. $y = -6x + 172$  $y = -12x + 340$
10. $\frac{78}{5} + \frac{4}{5}y = x$  $y = \frac{9}{4}x - \frac{35}{2}$	11. $y = \frac{-17}{7}x + \frac{730}{7}$  $\frac{17x + y}{2} = 278$	12. $x = \frac{-13}{11}y + \frac{9}{11}$  $-9 - 2y = x$

Enter answers  
in text boxes.