

Name \_\_\_\_\_



Date \_\_\_\_\_

## System of Equations

Solve each system of equations using the substitution method.

1. $17x + 8y = 687$ $x + 9y = 356$	2. $7x + 5y = -270$ $15x - y = -356$	3. $3x + y = 98$ $12x + 7y = 461$
4. $3x - y = -137$ $3x - 14y = -553$	5. $5x - 3y = -241$ $3x + y = -97$	6. $16x + 5y = -449$ $x + 2y = 31$
7. $13x - 9y = -491$ $2x - y = -64$	8. $7x - y = -72$ $16x + 11y = -696$	9. $19x - y = -657$ $5x + 4y = -207$
10. $8x + 19y = -147$ $8x + y = 15$	11. $6x + 7y = -109$ $7x - 6y = 142$	12. $3x + 13y = 310$ $9x + 13y = 202$