

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Solving Systems Algebraically

Solve each system with the stated method. Show exact work. Use substitution.

1. 1 $y = \frac{9}{2}x + 1$
 2 $x = -2$

Solution: _____

6. 1 $x - 2y = -5$
 2 $y = -x$

Solution: _____

2. 1 $4x - 5y = -9$
 2 $x = -9$

Solution: _____

7. 1 $y = -\frac{11}{3}x + 7$
 2 $x = -7$

Solution: _____

3. 1 $y = -\frac{3}{2}x - 10$
 2 $y = 4x - 12$

Solution: _____

8. 1 $2x + 6y = -13$
 2 $4x - 5y = -2$

Solution: _____

4. 1 $4x + 10y = 5$
 2 $3x + 10y = -4$

Solution: _____

9. 1 $3x + 6y = -17$
 2 $7x - y = 10$

Solution: _____

5. 1 $y = -\frac{13}{5}x - 11$
 2 $y = -\frac{1}{2}x - 10$

Solution: _____

10. 1 $6x + 4y = 9$
 2 $y = \frac{5}{3}x$

Solution: _____