Linear Functions Review
Systems of Equations 2

Solve each system using substitution. Then check your solutions.

1. $x = 3y$
$3x - 5y = 12$

2. $y = 2x + 6$
$2x - y = 2$

3. $x - 2y = 3$
$4x - 8y = 12$

4. $x + 14y = 84$
$2x - 7y = -7$

5. $3x - 2y = 11$
$x - \frac{1}{2}y = 4$

6. $4x - 5y = -7$
$y = 5x$

Solve each system using elimination. Then check your solutions.

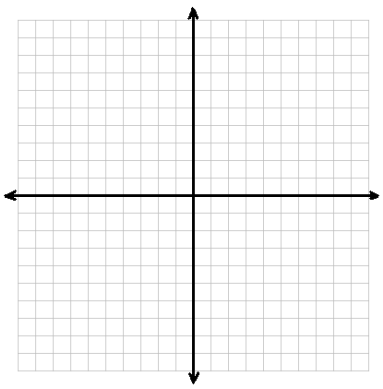
7. $2x - 4y = -22$
$3x + 3y = 30$

8. $0.5x + 0.5y = -2$
$x - 0.25y = 6$

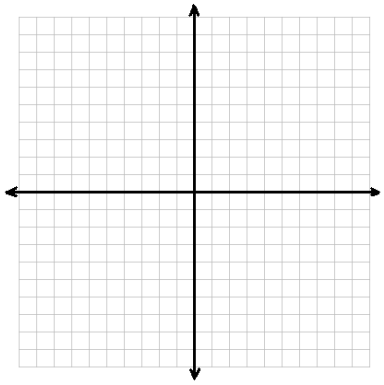
9. $4x - 2y = 32$
$-3x - 5y = -11$

Solve each system by graphing.

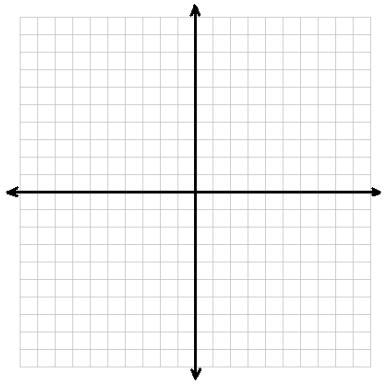
10. $y = 2x - 1$
$y = 2 - x$



11. $y = x + 2$
$y = 2x + 3$



12. $2x - y = 2$
$x - 2y = 2$



13. Gunther invested $10,000 in two mutual funds. One of the funds rose 6% in one year, and the other rose 9% in one year. If Gunther's investment rose a total of $684 in one year, how much did he invest in each mutual fund?